POTOMAC YARD METRORAIL STATION ENVIRONMENTAL IMPACT STATEMENT

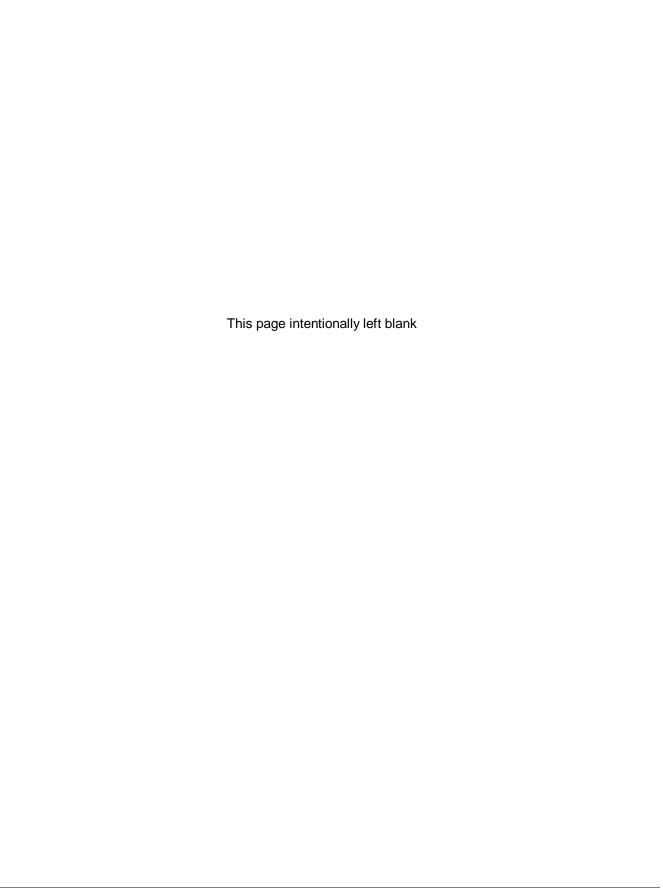


Soils and Geological Conditions

February 2013

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1.0 INTRODUCTION

The Federal Transit Administration (FTA), as the lead federal agency, and the City of Alexandria, as the project sponsor and joint lead agency, has prepared a Draft Environmental Impact Statement (Draft EIS) in accordance with the National Environmental Policy Act (NEPA) for the proposed Potomac Yard Metrorail Station ("the project"). The Draft EIS has been prepared in cooperation with the Washington Metropolitan Area Transit Authority (WMATA) and the National Park Service (NPS).

This technical memorandum identifies the potential effects of soil, geological, groundwater, and topographic conditions of the No Build and three Build Alternatives. The memorandum describes the following:

- Project alternatives
- Applicable regulations and guidance
- Methodology
- Opening year conditions
- Potential effects of each alternative (note that construction effects are described separately in the Construction Impacts Technical Memorandum)
- Mitigation measures

The findings of this analysis are incorporated in the Draft EIS.

The analysis was prepared using conceptual engineering designs provided in the *Alternatives Refinement Report* for the project. The analysis uses existing data sources provided by the U.S. Geological Survey (USGS), U.S. Department of Agriculture (USDA), and prior environmental investigations in the study area completed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). No project-specific geotechnical investigations are available or have been completed at this planning phase to this point. Project-specific geotechnical investigations will be completed at the appropriate time and once a preferred alternative has been identified.

The physical resources analyzed in this technical memorandum are defined as follows:

Soils

Soils are defined by the USDA Natural Resource Conservation Service (NRCS) as:

"...a natural body comprised of solids (minerals and organic matter), liquid, and gases that occurs on the land surface, occupies space, and is characterized by one or both of the following: horizons, or layers, that are distinguishable from the initial material as a result of additions, losses, transfers, and transformations of energy and matter or the ability to support rooted plants in a natural environment"1

Although soils are part of the geological conditions in the study area, for the purpose of this memorandum, soils are described and assessed separately based on their general boundaries defined by NRCS. Soils have an upper limit defined by NRCS as "the boundary between soil and air, shallow water, live plants, or plant materials that have not begun to decompose." 2 The NRCS states that soils generally extend about eight feet below the ground surface to their lower boundary, below which the earth is characterized by NRCS as "hard rock or earthy materials virtually devoid of animals, roots, or other marks of biological activity." 3 The ground below the soils layer is described separately in this memorandum under geological conditions.

Geological Conditions

Geological conditions are defined as the earthy materials and rock below the soil boundary. The geological conditions described in this memorandum include the deep subsurface soil-type materials generally eight feet below ground surface and non-soil earthy materials and rock that range in depths from 40 to 270 feet below the ground surface.

Groundwater

Groundwater is defined by USGS as "all water which occurs below the land surface."4

³ Ibid.

¹ Natural Resource Conservation Service, Soil Taxonomy, second edition, 1999.

² Ibid.

⁴ U.S. Geological Survey, Glossary of Geologic Terms, "Groundwater," Accessed at: http://or.water.usgs.gov/projs_dir/willgw/glossary.html#G

Topography

Topography is defined by USGS as "the shape and relief of the land surface." The "relief" of an area is defined as "differences in elevation" resulting from natural and man-made conditions.

1.1 Project Alternatives

The Draft EIS evaluates a No Build Alternative and three Build Alternatives. Each Build Alternative includes the same area improvements as the No Build Alternative in addition to construction and operation of a Metrorail station.

1.1.1 No Build Alternative

The No Build Alternative is defined as the existing highway and transit network and committed transportation improvements from the National Capital Region Transportation Planning Board's Financially Constrained Long Range Plan (CLRP). The Draft EIS assumes that any improvements that are anticipated to be implemented by the project horizon year, whether physical or operational, are part of the No Build Alternative, with the exception of the new Metrorail Station at Potomac Yard.

The No Build Alternative includes the build-out of an internal street network within Potomac Yard (roughly from Four Mile Run to Braddock Road) and additional investments in transit and bicycle/pedestrian facilities, including a pedestrian bridge over the Metrorail and CSX Transportation (CSXT) rights-of-way between Potomac Greens and Potomac Yard. Anticipated transit investments include the Crystal City/Potomac Yard (CCPY) Transitway and an expansion of local transit service. The No Build Alternative also includes an off-street, multi-use trail through the planned linear park between Potomac Avenue and the CSXT right-of-way. This new off-street, multi-use trail will enhance access to the existing regional trail network, which serves both recreational users and commuters.

1.1.2 Build Alternatives

The Build Alternatives are described below and shown in Table 1-1 and Figure 1-1.

Build Alternative A

Build Alternative A would be located between the CSXT right-of-way and the north end of the Potomac Greens neighborhood in the Metrorail Reservation easement designated during earlier planning efforts for the Potomac Yard area. The station would be at-grade with a side platform layout. Additional station facilities would include two pedestrian bridges from the station over the CSXT right-of-way to the planned development in Potomac Yard. The bridge at the northern end of the station would provide 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood.

Build Alternative A would require minimal track realignment within the station area and would include construction of a double crossover located approximately 900 feet south of the station.

Build Alternative B

Build Alternative B would be located between the George Washington Memorial Parkway (GWMP) and the CSXT right-of-way, north of the Potomac Greens neighborhood and east of the south end of the existing Potomac Yard Shopping Center in North Potomac Yard. The station would be located within the Greens Scenic Area easement administered by NPS. The station would be at-grade. Additional station facilities would include two pedestrian bridges from the station over the CSXT right-of-way to the planned development in Potomac Yard. The bridge at the southern end of the station would provide 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood.

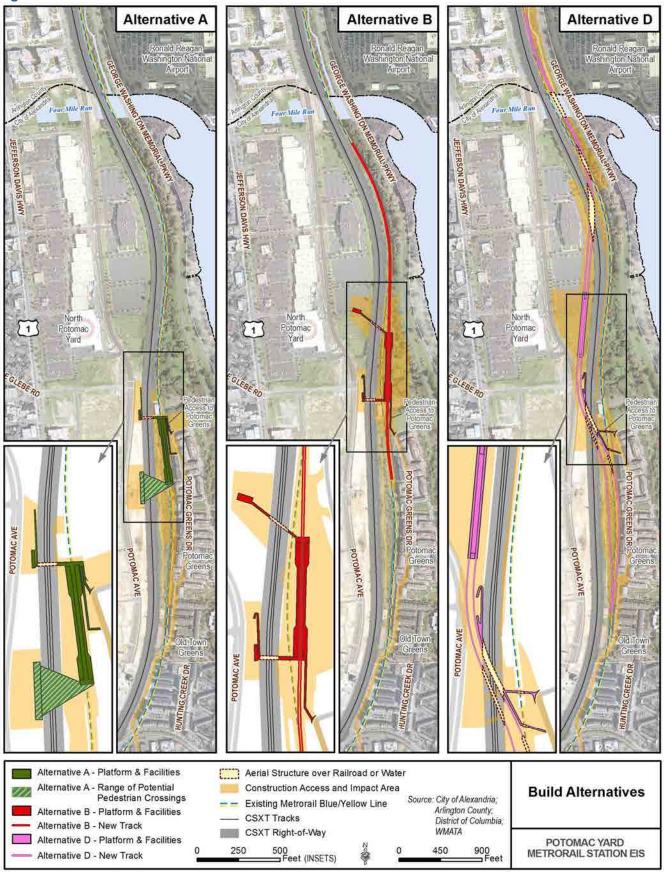
Build Alternative B would require the realignment of approximately 650 feet of existing track, as well as the installation of approximately 1,450 feet of new track. Special track work – a double crossover – would be required approximately 100 feet north of the station.

The new track and station would be built on retained fill, and a new retaining wall would be constructed on the east side of the track and station to support the structures.

⁵ U.S. Geological Survey and National Park Service, *Geologic Glossary*, "Topography", Accessed at http://www.nature.nps.gov/geology/usgsnps/misc/glossaryAtoC.html#T

⁶ U.S. Geological Survey and National Park Service, Geologic Glossary, "Relief", Accessed at http://www.nature.nps.gov/geology/usgsnps/misc/glossaryAtoC.html#R

Figure 1-1: Build Alternatives



Build Alternative D

Build Alternative D would be located west of the CSXT right-of-way near the existing Potomac Yard Shopping Center. The station would be aerial with a center platform layout. One pedestrian bridge over the CSXT right-of-way would be constructed, connecting the neighborhoods of Potomac Greens and Old Town Greens to Potomac Avenue at East Glebe Road. The pedestrian bridge would be parallel to the adjacent new Metrorail bridge over the CSXT railroad, which is required to accommodate Build Alternative D and is described below.

Build Alternative D would require the realignment of approximately 550 feet of existing track, as well as the installation of approximately 5,800 feet of new track. The majority of new track would be elevated. Build Alternative D would also include construction of two Metrorail aerial bridges crossing the CSXT right-of-way to the north and south of the station, and a new, single span, aerial structure over Four Mile Run. Construction of a double crossover would be required in a location approximately 100 feet north of the station. Following completion of construction, the old Metrorail tracks will be removed from service.

Additional structural improvements would include the removal and replacement of the existing retaining wall near the Potomac Greens neighborhood and the removal of an additional retaining wall west of the existing Metrorail tracks, north of the portal at the southern end of the neighborhood.

Table 1-1: Build Alternatives

Alternative	Type and Layout	Track Work	Facilities for Station Access	Additional Structures Required
Build Alternative A	At-grade, side platform	Minimal track work	Two pedestrian bridges over CSXT right-of-way; access to Potomac Greens via walkway	None
Build Alternative B	At-grade, side platform	Moderate track work	Two pedestrian bridges over CSXT right-of-way; access to Potomac Greens via walkway	Structures (retaining wall) to support new track and station
Build Alternative D	Aerial, center platform	Major track work	One pedestrian bridge over CSXT right-of-way to provide access between Potomac Yard and Potomac Greens	Two aerial structures over CSXT right-of-way, one Metrorail bridge over Four Mile Run, aerial track and supports, and retaining wall replacement on the east and west sides of the tracks north of the existing Metrorail portal. New structures would pass over the existing Metrorail tracks, which would be removed following construction.

Note: Track work for Build Alternatives B and D assumes existing Blue and Yellow Line Metrorail track would be removed where track is realigned

1.2 Applicable Regulations and Guidance

1.2.1 Federal

The analysis of soil, geological, groundwater, and topographic conditions is being prepared in accordance with NEPA. In addition to NEPA, the federal Farmland Protection Policy (7 USC 73) is applicable to federal actions where federally designated Prime Farmland or Farmlands of Statewide Importance soil types are present. The NRCS does not identify any Prime Farmland or Farmlands of Statewide Importance soil types in the study area; therefore, no further analysis of prime farmland soils was conducted for the project.

The Safe Drinking Water Act of 1974 protects public health by regulating the nation's public drinking water supply. The act was amended in 1986 and 1996, and it authorized the Sole Source Aquifer Protection Program. Through the program, the Environmental Protection Agency (EPA) has the authority to review federally assisted projects that have the potential to contaminate sole source aquifers, so that those resources are protected. An aquifer is designated as "Sole Source" if it is in an in area with few or no alternative sources of potable water.

No EPA designated Sole Source Aquifers (SSAs) exist in the study area which could be used by residents for drinking water. EPA identifies the closest SSAs as the Poolesville Aquifer in Montgomery County, Maryland, approximately 45 miles northwest of the study area.

1.2.2 State and Local

The Virginia Department of Conservation and Recreation (VDCR) implements the Erosion and Sediment Control (ESC) Program under the Virginia Erosion and Sediment Control Law, Regulations, and Certification Regulations (2011) (VESCL&R). The Erosion and Sediment Control Program's goal is to control soil erosion, sedimentation, and non-agricultural runoff from regulated "land-disturbing activities" to prevent degradation of property and natural resources. VDCR's Virginia Erosion and Sediment Control Handbook provides guidance for all state erosion and sediment control programs for land-disturbing activities to support compliance with the state regulations.

The City of Alexandria's related laws and regulations include the Soil Erosion and Sediment Control Ordinance (Section 5-4-1 of the City Code) and the City of Alexandria Zoning Ordinance, Article XI, Development Approvals and Procedures, and Article XIII, Environmental Management. Arlington County's related laws and regulations include Chapter 57, Erosion and Sediment Control, of the Arlington County Code and other related chapters.

1.3 Methodology

Soil, geologic, topographic, and groundwater conditions were analyzed using the following information and data sources:

- U.S. Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS), Web Soil Survey (provided in Appendix B);
- Northern Virginia Regional Commission, Draft Northern Virginia Regional Water Supply Plan, December 2011;
- U.S. Geological Survey, Johnston, P.M., Geology and Ground Water Resources of Washington, D.C., and Vicinity, 1964;
- U.S. Geological Survey, Meng, Andrew A., John F. Harsh, *Hydrogeologic Framework of the Virginia Coastal Plain: Regional Aquifer Systems Analysis, Professional Paper 1404-C,* 1988;
- City of Alexandria, 2-foot contour topographic data, City of Alexandria Geodatabase, Topo_Contour_I.gdb, 2012;
- Arlington County, 2-Foot contour topographic data, Arlington County Geodatabase, Contour2ft_arc.gdb, April 2011;
- Environmental Technology of North America, Inc., Extent of Contamination Study, Potomac Yard, Alexandria, Virginia, May 24, 1995;
- Engineering Consulting Services, Ltd., Report of Subsurface Exploration and Geotechnical Engineering Analysis, Potomac Greens Townhomes, Alexandria, Virginia, August 7, 2002; and
- ESC, LLC, Mid-Atlantic, Site Characterization Report, Potomac Yards Landbay D, Alexandria, Virginia (ESC Project No. 9676-X), February 15, 2011.

An NRCS *Custom Soils Report* was created for the study area that characterized general soil conditions. The reports are developed through the NRCS Web Soil Survey website7 based on the user's defined study area.

Following the review of NRCS soil data, previous environmental investigations of the study area were used to further characterize subsurface soil conditions. The 1995 Extent of Contamination Study and the 2002 Subsurface Exploration and Geotechnical Engineering Analysis Potomac Green Townhomes provided further detail on soil composition, geology, and groundwater conditions in the study area. Underlying geological and groundwater (hydrogeological) conditions have not changed substantially since 1995, therefore, these previous analyses are useful in characterizing existing and opening year conditions.

2.0 OPENING YEAR CONDITIONS

In general, the study area is a highly developed and urbanized area with a mix of commercial and residential land uses. Most of the study area has been disturbed over the years due to development and historic industrial land uses. The former rail yard substantially influenced soil and groundwater conditions in the study area during its operation from 1906 through 1990. Disturbed areas include filled areas within tidal marshes and wetlands.

2.1 Soils

2.1.1 Natural Resource Conservation Survey

The NRCS identifies three soil types in the study area:

- Urban land;
- Urban land-Udorthents complex, two to 15 percent slopes; and
- Grist Mill sandy loam, zero to 25 percent slopes.

Figure 2-1 shows the distribution of NRCS soil types in the study area. Approximately 70 percent of the study area surface is classified as Urban land or Urban land-Udorthents complex. NRCS classifies Urban land and Urban land-Udorthents complex as "miscellaneous areas." The NRCS provides limited or no data for these miscellaneous areas. Both Urban land and Urban land-Udorthents complex can thus be considered generic classifications for man-made or developed areas rather than distinct soil types with specific chemical and geological properties. The NRCS Custom Soil Resource Report for the study area is provided in Appendix B. NRCS compiles soil information separately for the City of Alexandria and Arlington County.

Urban Land

Urban land soil areas comprise land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The slopes range from zero to seven percent, and the surface water runoff class is very high. Surface areas within Urban land soil classifications are covered by buildings, asphalt, concrete, or other impervious materials.

Urban Land-Udorthents Complex, two to 15 percent slopes

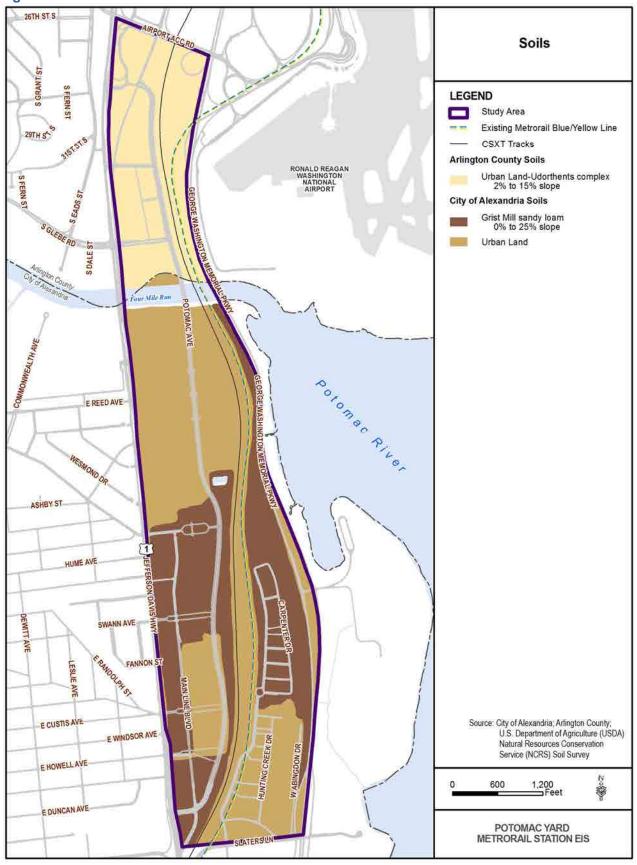
Urban land-Udorthents soils are formed when the original soils were disturbed by land-leveling, excavating, or filling. They consist of loamy and clayey soil material and varying amounts of rock fragments. Areas range from slightly compacted to severely compacted. Unvegetated areas are susceptible to severe erosion. Generally, Udorthents are found by highways, rail yards, railroad tracks, quarries, mines, large buildings, and other areas that have been excavated or filled.

Grist Mill Sandy Loam

Grist Mill Sandy Loam soil consists of sandy, silty, and clayey sediments of the Coastal Plain that have been mixed, graded, and compacted during development and construction. Characteristics of the soil can be variable depending on what materials were mixed in during construction. Generally, the soil has been compacted, and the soil is well drained.

⁷ Natural Resource Conservation Service, *Web Soil Survey*, http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm accessed on June 15 2012.

Figure 2-1: Soils



2.1.2 Specific Soil Materials and Characteristics

Additional study area specific soil information was developed for the Extent of Site Contamination (ESC) Study completed in accordance with CERCLA for Potomac Yard in 1995. The ESC analyses included an extensive investigation of soil, sediment, groundwater, and surface water conditions. The ESC summarized the subsurface conditions and analytical results for more than 600 samples collected throughout the former Potomac Yard. The ESC analyzed soil, groundwater and geological conditions for the entire study area, including Arlington County.

In addition to the ESC, *The 2002 Geotechnical Investigation of Potomac Green* analyzed soil conditions in the southeastern portion of the study area. The 2002 investigation identified fly ash, a by-product of coal burning, within the soils. The fly ash was reportedly derived from a former power plant located adjacent to the site.

The ESC found that study area soils contain ballast material in the first stratigraphic sequence (top layer) of soil. Most of the former surface area of the rail yard was covered with a layer of stone or gravel ballast. Ballast is used in a railroad bed to support the ties, hold the track in line, and facilitate drainage. During redevelopment of Potomac Yard over the past two decades, much of the ballast material has been removed from areas no longer occupied by track. Two types of ballast material have been identified in the near-surface material at Potomac Yard: gravel ballast and cinder ballast.

Cinder ballast was found beneath the gravel ballast that covered most of the former rail yard. Cinder ballast consists of ash from coal-powered steam locomotives used prior to the advent of diesel and electric locomotives in the 1950s. Cinder ballast was found at an average depth of three feet, with an average thickness of three feet. Grain size analysis shows the majority of the cinder ballast to be greater than 0.05 millimeters (mm) in diameter, which is comparable to coarse sand in grain size.

The ESC identified the Shirley Formation (Quaternary Sediment) located below the ballast and ash material in the second stratigraphic sequence three feet below ground surface. The Quaternary sediments of the Shirley Formation extend to a depth of approximately 40 feet (-10 feet mean seal level (msl)) within the study area. The sediments consist primarily of silty and clayey sand with soft to stiff, lean clay and occasional deposits of clayey gravel and poorly graded sand. The subsurface sediments near the Potomac Greens Area neighborhood contain more clay and silt. **Appendix C** includes the cross-sections developed for the EC Study that show the distribution of fill material and sediments in the subsurface at Potomac Yard.

2.1.3 Suitability for Construction

Table 2-1 summarizes soil properties relevant to construction purposes for the three NRCS soil classifications using the NRCS report data and other recent study area soils analyses.

Table 2-1: Soil Properties

Soil Name (NRCS Map Unit Symbol)	Depth to Bedrock (Feet below ground surface) ²	Depth to Water Table (Feet below ground surface) ²	Slope (%)	Soil Drainage	Shrink-Swell Potential	Percent of Total Study Area
Grist Mill sandy loam (40)	300	10 to 25	0 to 25	Well Drained	Low	31.1
Urban land (95)	300	10 to 25	0 to 7	Unknown	Unknown	47.4
Urban land- Udorthents (12)	300	10 to 25	2 to 15	Unknown	Unknown	21.5

Sources

Natural Resource Conservation Survey, Custom Soil Resource Report for Alexandria City, Virginia, and Arlington County, Virginia; June 2012, Accessed at: http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm

Environmental Technology of North America, Inc. for RF&P Railroad Company, Extent of Contamination Study, Potomac Yard, Alexandria, Virginia, Volume 1, (ETI Job No. 1116-002-03), pg. 2-19, July 1995, Accessed at: http://loggerhead.epa.gov/arweb/public/pdf/157210.pdf

Structural stability is affected by the following soil characteristics:

- Depth to Bedrock This site characteristic is an important factor in determining the types of techniques that may be needed to permanently stabilize structures, which affects construction costs.
- Depth to Water Table Evaluated during construction design for many reasons, including the design of potential dewatering and groundwater control methods, evaluation of hydrostatic pressures on structures, and potential freeze and thaw effects on utilities and structures.
- Slope Consideration of the slope of the land is important to reduce construction costs, minimize risks from natural hazards such as flooding and landslides, and to minimize impacts of proposed development on natural resources such as soils, vegetation, and water systems
- Soil Drainage Characteristics Important for many types of land management, including building construction. If soil drainage is not properly managed, excessive water absorption by the ground can cause erosion, water pooling, and flooding. Consequently, this soil upheaval can cause a construction site to become unstable.
- Shrink-Swell Potential Determines soil volume changes under varying moisture conditions. Clay groups with a high shrink-swell capacity can lead to ground heave and damage to building foundations.

Within the study area, the following observations can be made about soil constructability properties:

- Depth to bedrock is approximately 300 feet below ground surface (bgs) within the study area based on the ECS findings. This attribute affects the types of structural supports that can be used for the project construction.
- A shallow perched groundwater could be encountered at 2 to 3 feet bgs. The water table aquifer is encountered
 at approximately 10 to 25 feet bgs. The shallow water table may also fluctuate in portions of the site due to tidal
 influences.
- Due to the substantial fill material thickness, shallow water saturation encountered at the site, soil drainage characteristics for a majority of the study area is unknown.
- The shrink-swell potential of clay groups in Urban land and Urban land-Udorthents soils is presently unknown.

2.2 Geological Conditions

The ESC was used as a primary reference to characterize both regional and study area geology. The ESC used two analyses completed by the USGS in 1964 and 1988 to describe study area geology. This section summarizes findings presented in Volume I of the ESC.

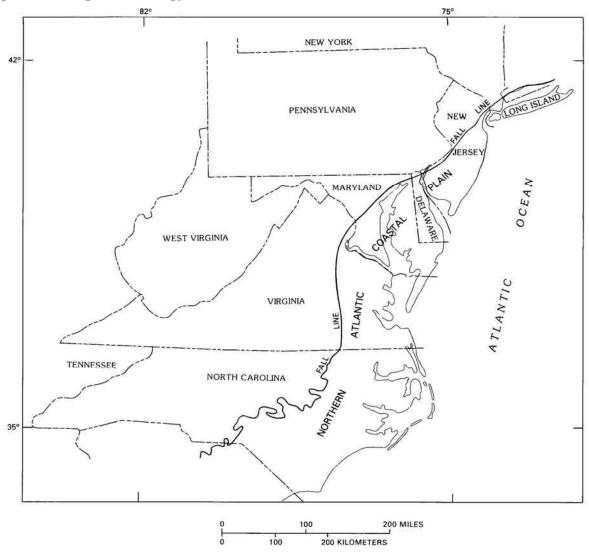
2.2.1 Regional Geology

The study area is located near the western edge of the Coastal Plain physiographic province. The Fall Line, located less than five miles west of the study area, marks the boundary between the Coastal Plain and the Piedmont physiographic provinces. **Figure 2-2** illustrates the general boundary of the Coastal Plain in the Mid-Atlantic States. The Coastal Plain is an eastward-thickening wedge of sedimentary deposits overlying igneous and metamorphic bedrock. The bedrock dips eastward from the Piedmont at approximately 125 feet per mile. The Coastal Plain sediments consist of clays, silts, sands, and gravels deposited in river and marine environments that were probably derived from erosion in the Piedmont.

Depositional environments of the sediments varied during the formation of the Coastal Plain. Repeated marine transgressions and regressions occurred, interrupted by periods of erosion. Deposits found in such a dynamic environment are characterized by a variety of sediment types that often form inter-fingering units. This lateral and vertical variation in sediment types occurs on both regional and local scales. It is common to encounter discontinuous, localized units of one sediment type within a formation consisting of another sediment type (ESC, 1995).

The oldest sedimentary deposits of the Coastal Plain in the vicinity of the study area are the Potomac Group of Cretaceous age. The Potomac Group is subdivided into three formations. In ascending order, these are the Patuxent Formation (Patuxent), the Arundel Clay Formation (Arundel), and the Patapsco Formation (Patapsco).

Figure 2-2: Regional Geology



Source: U.S. Geological Survey, Meng, Andrew A., John F. Harsh, *Hydrogeologic Framework of the Virginia Coastal Plain: Regional Aquifer Systems Analysis, Professional Paper 1404-C*, 1988.

Overlying the Potomac Group are river terrace and alluvial deposits of Quaternary age identified as the Shirley Formation and fill material.

Overlying the Patuxent is the Arundel. The clay beds of the Arundel form a confining unit over the Patuxent. The Patapsco was deposited on top of the Arundel and contains, in ascending order, the middle Potomac aquifer, middle Potomac confining unit, and the upper Potomac aquifer.

The middle Potomac aquifer consists of lenses of medium sands, silts, and clays of varying thicknesses. The clay lenses are typically thick and inter-bedded with fine to medium sand. The sands contain mica, plagioclase, and abundant heavy minerals. The middle Potomac confining unit is a clay unit with generally massive thick-bedded plastic clays. The unit is commonly identified as a thick sequence of brightly colored, variegated, plastic clays. The individual clay lenses act as a single regional confining unit. The upper Potomac aquifer, still within the Patapsco, is composed of white, micaceous, very fine to medium quartz sands. Inter-bedded with these sands are clays that are dark, silty, highly micaceous, and carbonaceous.

The youngest geological unit in the area is the Quaternary sedimentary unit, known as the Shirley Formation. The shallow unconfined water table aquifer and perched groundwater occurs in this unit, which consists of a series of deposits resulting from marine transgressions. These deposits are typical fining-upward sequences, ranging from very coarse, gravelly lag through sands to fine silts and clays.

2.2.2 Study Area Geology

The geology of the study area was delineated from ground surface to the bedrock during previous environmental and geotechnical investigations. The stratigraphic sequence (sedimentary layers) of the study area consists of six units. In descending order, these units include: ballast-cinder material, fill material, Shirley Formation (described in the soils section), Patapsco Formation, Arundel Clay Formation, and Patuxent Formation. These sequences are depicted in **Figure 2-3** and **Appendix C**. Geological conditions described in this section begin at a depth of 80 feet bgs.

Patapsco Formation

The Patapsco sediments underlie the fill material and Shirley Formation at Potomac Yard. The Patapsco is the uppermost unit of the Cretaceous-age sediments. As shown in Plate 2-5 of **Appendix C**. The Patapsco is approximately 120 feet thick at the site. The upper 9 to 50 feet of the Patapsco consists primarily of dense clay and clayey silt with occasional sand and gravel. This upper clay unit of the Patapsco is considered to be the Middle Potomac confining unit. The middle Potomac aquifer consists of poorly graded sand and gravel occurs below the upper clayey unit. The lower portion of the Patapsco consists primarily of dense silty clay and clayey silt

Arundel Clay Formation

The Arundel Clay is approximately 30 feet thick at the site (see Plate 2-5 in **Appendix C**). The Arundel is a dense, low-permeability clay and silt unit also known as the lower Potomac confining unit.

Patuxent Formation

The Patuxent lies un-conformably on the igneous and metamorphic bedrock located at approximately 300 feet bgs. This unit was encountered only in the former on-site and off-site deep supply wells. In the former on-site supply well, the Patuxent is approximately 80 feet thick (see Plate 2-5 in **Appendix C**). The Patuxent is comprised of permeable sand inter-bedded with low permeability silt and clay.

2.2.3 Seismic Activity

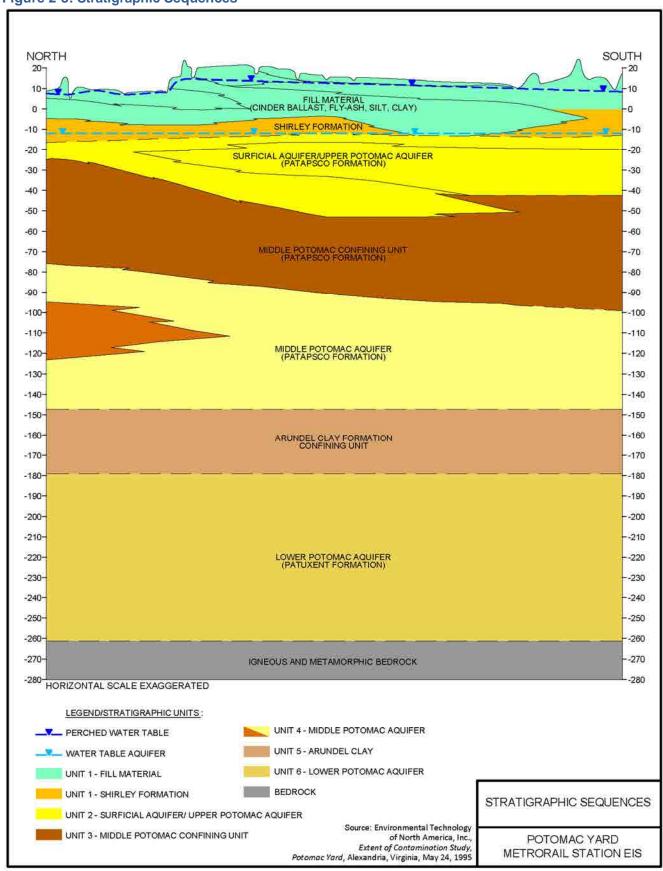
Based on a review of 2008 USGS National Seismic Hazard Maps8, the study area is located in an area of the United States with a low probability of seismic activity (earthquakes). USGS analyzes the probability of seismic activity across the United States for the purposes of developing building codes, insurance rate structures, risk assessments, and other public policy. The eastern United States is an area that USGS identifies as a "Stable Continental Region" (SCR) because of its location in the center of a tectonic plate.

The Virginia Department of Mines, Minerals and Energy reports that historic seismic activity within Virginia has been concentrated in the central Piedmont area along the James River and in southwestern Virginia along the New River Valley. Most of the earthquakes have ranged in magnitude from 1.5 to 4.5 on the Richter scale, with largest measured earthquake registering 5.9 on the Richter scale. On August 23, 2011, a 5.8 magnitude earthquake occurred in Virginia with an epicenter five miles south/southwest of Mineral, Virginia, in Louisa County.

The International Building Code (IBC), used by the Commonwealth of Virginia, specifies a seismic performance category for structures based on their occupancy and the seismic activity of the region in which they are located. Within the project study area, transit guideway structures would be designed to the IBC's seismic performance category of "A" (lowest), and transit station structures would be designed to the seismic performance category "B" (second lowest).

⁸ U.S. Geological Survey, *Documentation for the 2008 Update of the United States National Seismic Hazard Maps*, 2008, pg. 41, Accessed at: http://pubs.usgs.gov/of/2008/1128/pdf/OF08-1128_v1.1.pdf

Figure 2-3: Stratigraphic Sequences



2.3 Groundwater

2.3.1 Regional Hydrogeology

The ESC was the primary source for characterizing regional groundwater conditions (hydrogeology). The ESC used two analyses completed by the USGS in 1964 and 1988 to describe study area hydrogeology. This section summarizes findings presented in Volume I of the ESC.

Groundwater in the Coastal Plain occurs under confined (artesian) and unconfined (water table) conditions. Groundwater in the recent Quaternary-aged units occurs near the ground surface, primarily under water table conditions. The shallow groundwater is, however, locally semi-confined or perched. The middle (Patapsco) and lower (Patuxent) aquifers are under confined to semi-confined conditions. The Arundel Formation is the lower Potomac Aquifer confining unit. The middle Potomac confining unit is composed of silts and clays within the Patapsco. Each of these hydrogeological units is discussed in the following paragraphs.

The lower Potomac Aquifer (Patuxent Formation) is the deepest confined aquifer in the regional geological framework. This unit was deposited directly on the bedrock surface. The Patuxent Formation is described as medium to coarse, light-colored quartz sands containing lenses and beds of inter-fingered clays. This unit also contains varying amounts and sizes of gravels.

The lower and middle Potomac aquifers were once important sources of fresh water for public and commercial use in the region. Well yields from the Potomac aquifers ranged from 10 to 800 gallons per minute (gpm). Public water supplies are now almost exclusively obtained from surface water sources. Groundwater is used for public water supply during emergency situations. These emergency public water supply wells are located 3,500 feet southwest of the site and are drilled into the lower Potomac aquifer.

2.3.2 Study Area Hydrogeology

The ESC was the primary source for characterizing study area groundwater conditions (hydrogeology). The ESC used two analyses completed by the USGS in 1964 and 1988 to describe study area hydrogeology. This section summarizes findings presented in Volume I of the ESC.

Groundwater in the lower confined aquifers and shallow unconfined water table in the vicinity of the study area flows eastward from recharge areas toward discharge areas. Recharge to the confined aquifers occurs where the subsurface units crop out along the Fall Line. Discharge from the confined aquifers occurs at the Potomac River, where the river channel breaches the confining units. Recharge to the water table unit occurs primarily from the infiltration of precipitation and localized interaction with bodies of surface water. A small portion of the recharge to the water table unit may be through upward leakage from the underlying confined units. The discharge of groundwater from the water table unit occurs at the Potomac River and other surface water bodies.

The ESC found that shallow groundwater occurs at Potomac Yard under an unconfined water table and perched water table ⁹ conditions. The unconfined water table occurs at depths ranging from approximately 10 to 25 feet bgs. The perched water table is localized and may be seasonal in nature. The perched groundwater was encountered as shallow as 2 to 3 feet bgs (ESC, 1995). The groundwater elevations in monitoring wells during previous environmental site investigations ranged from about 5 to 33 feet msl. The ESC also identified groundwater contaminants from the historic rail yard activities. Groundwater contaminants are analyzed in more detail in the project's *Hazardous and Contaminated Materials Technical Memorandum*.

Regional geology and previous site-specific subsurface investigations show a dense confining clay layer that impedes the movement of the water table and perched groundwater through the confining unit to the underlying confined aquifers. The direction of flow and discharge of groundwater from the perched and water table aquifer occurs eastward to the Potomac River and the Atlantic Ocean.

2.3.3 Potable Water

The City of Alexandria reports that a small number of operational wells exist within the City for industrial use; however, existing development in the study area is connected to the municipal water system10.

⁹ Perched groundwater is defined as "Unconfined groundwater separated from an underlying body of ground water by an unsaturated zone. Its water table is a perched water table. Perched ground water is held up by a perching bed whose permeability is so low that water percolating downward through it is not able to bring water in the underlying unsaturated zone above atmospheric pressure." U.S. Geological Survey, Glossary of Hydrologic Terms, accessed at: http://or.water.usgs.gov/projs_dir/willgw/glossary.html#P.

City of Alexandria, Virginia, City of Alexandria Master Plan Water Quality Management Supplement, January 13, 2001.

Neither Arlington County nor the City of Alexandria owns or operates community water systems using groundwater. Virginia American Water Company (VAWC) currently provides potable water to City residents and businesses. VAWC purchases drinking water from Fairfax Water, which uses an interconnected reservoir and river system. Fairfax Water obtains drinking water from Occoquan Reservoir and the Potomac River outside of the study area. The Arlington County Department of Environmental Services Water System Operation currently provides drinking water to Arlington County residents and businesses. The County obtains potable water from the Dalecarlia Water Treatment Plant on the Potomac River in Washington, D.C.

2.4 Topography

Study area topography is flat to gently sloping with elevations ranging from 0 to 62 feet. **Figure 2-4** illustrates the existing topography of the study area using two-foot contour GIS data provided by the City of Alexandria and Arlington County. Areas where the elevation drops below three feet include: Four Mile Run, a tributary to Four Mile Run in the northern portion of the study area, and drainage areas within the median of the George Washington Memorial Parkway that serve a ponding function during periods of heavy rain. The topography and course of Four Mile Run changed substantially in the 1970s when the U.S. Army Corps of Engineers constructed a variety of flood control measures and channelized the stream.

3.0 POTENTIAL EFFECTS

Examples of potential impacts to soils, geological and groundwater resources, and topographic conditions include the following:

- Conversion of soils from productive uses (such as farming) to transportation-related uses;
- Adverse impacts to groundwater sources that may be used as sources of potable water, or other project actions which would degrade groundwater quality;
- Geological conditions that affect the stability of project facilities or adjacent structures; and
- Permanent changes in topography which increase erosion potential.

3.1 No Build Alternative

The No Build Alternative would have no project-related effects to soil, geological, groundwater, or topographic conditions.

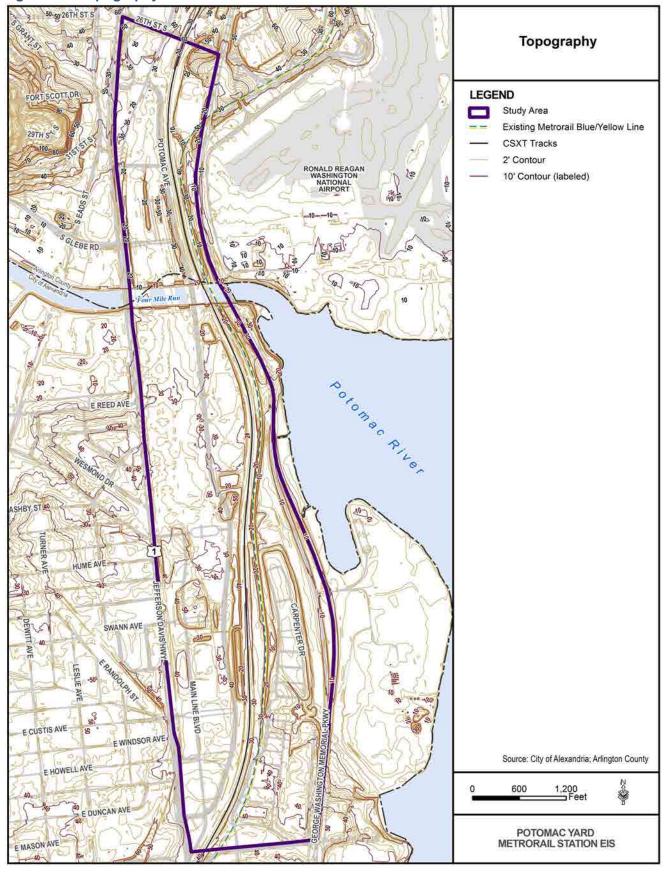
3.2 Build Alternative A

Build Alternative A is not expected to permanently impact soil, geological, groundwater, or topographic conditions.

The station and track alignment for Build Alternative A would be constructed on soils that NRCS classifies as Grist Mill Sandy Loam, located east of the existing Metrorail alignment. The pedestrian bridges would be constructed west of the existing Metrorail alignment on areas that NRCS classifies as Urban Land "miscellaneous areas." The station platforms would be located in an area of waste ash dumping based on the prior environmental investigations. No permanent impact to soil is anticipated for Build Alternative A, as none of the study area is used for agricultural or forest land production.

No substantial below-grade structures are proposed for Build Alternative A, and underlying geological conditions would not change or be affected by the project if this alternative is constructed. Build Alternative A would not change existing topography of the study area. Major fill or excavation is not required for the construction of this alternative, as the Metrorail tracks would follow their existing alignment and the platforms would be built at-grade. Based on the soils and geological conditions identified in this analysis, the station structure may need to be built on drilled shafts or driven piles.

Figure 2-4: Topography



3.3 Build Alternative B

Build Alternative B is not expected to permanently impact soil, geological, groundwater or topographic conditions.

To accommodate the new alignment and station, approximately 1,400-linear feet of fill is required. The vertical depth of fill required to accommodate the 600-foot station platform ranges from 8 to 16 feet, due to existing topographical elevation and a gradual change in slope of the realigned track. The vertical depth of fill required to accommodate the 800-linear feet of fill of realigned track ranges from 1 to 15 feet. This fill would come from offsite resources and would include soils that are conducive to track functions. The fill material would be obtained from outside the study area. Study area soils cannot be used for fill for this project because of contamination resulting from historic rail yard activity.

The station and track would primarily be constructed on soils that NRCS classifies as Grist Mill Sandy Loam east of the existing Metrorail alignment. The pedestrian bridges would be constructed on Urban Land which NRCS classifies as "miscellaneous areas." The station platforms would be located in an area of waste ash dumping based on the prior environmental investigations. No permanent impact to soil is anticipated for Build Alternative B, as none of the study area soils is used for agricultural or forest land production.

No substantial below-grade structures are proposed for Build Alternative B, and underlying geological conditions would not change or be affected by the project if this alternative is constructed. The construction of Build Alternative B would result in minor changes to the topography resulting from station platforms and sections of track which would be constructed on retained and graded fill. Based on the soils and geological conditions identified in this analysis, the station structure may need to be built on drilled shafts or driven piles.

3.4 Build Alternative D

Build Alternative D is not expected to have significant permanent impacts to soil, geological, groundwater or topographic conditions in the study area.

The station and track would primarily be constructed on soils that NRCS classifies as Urban Land west of the existing Metrorail and CSXT tracks. The new track structures at the southern end of Build Alternative D would be located in area where cinder ballast was used as fill (Landbay D of Potomac Yard). East of the existing Metrorail alignment (in proximity to Four Mile Run), Build Alternative D would be constructed on Grist Mill Sandy Loam soil. No permanent impacts to soils or miscellaneous areas are anticipated for Build Alternative D, as none of the study area is used for agricultural or forest land production. Piers or bents would be constructed for Build Alternative D, which is planned as an aerial station with elevated track and platforms.

No substantial below-grade structures are proposed for Build Alternative D, and underlying geological conditions would not change or be affected by the project if this alternative is constructed.

The approaches to the aerial structures over the CSXT tracks and Four Mile Run would require some limited areas of retained fill and would have minor topographical impacts. Major excavation is not required for Build Alternative D which would mostly be built upon aerial structures. Based on the soils and geological conditions identified in this analysis, the station and pier structures required for Build Alternative D may need to be built on drilled shafts or driven piles.

4.0 MITIGATION MEASURES

4.1 No Build Alternative

As no project elements are proposed under the No Build Alternative, no mitigation is proposed.

4.2 Build Alternatives

As no permanent impacts to soil, geological, groundwater, or topographic conditions are expected under the Build Alternatives, no mitigation is proposed.

APPENDIX A: REFERENCES

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Map Data

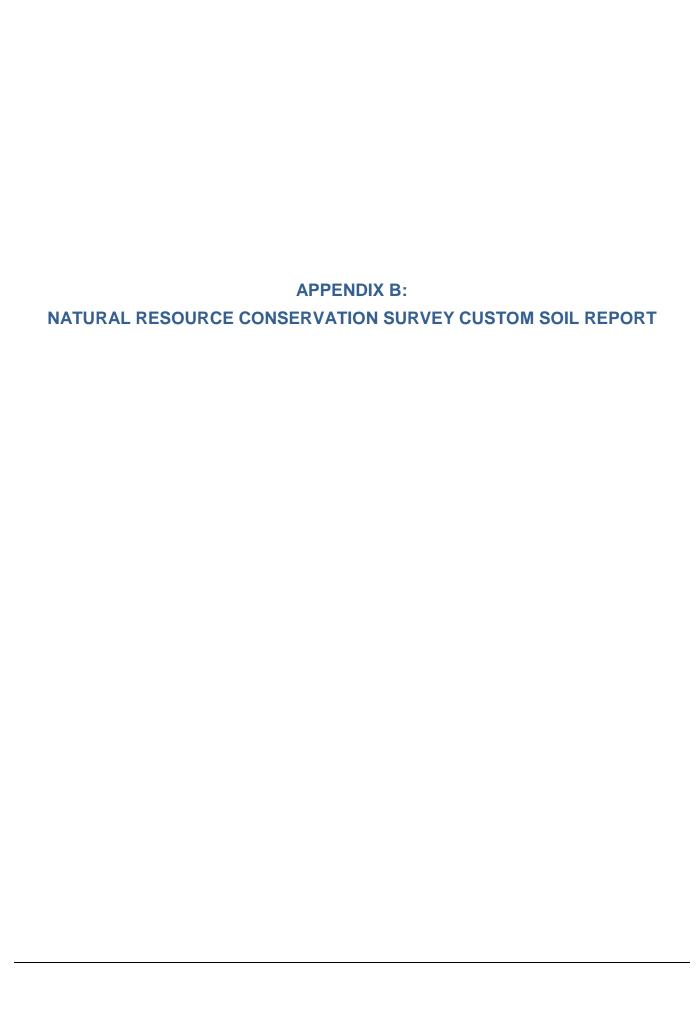
Arlington County, GIS data CD, 2011.

City of Alexandria, GIS data DVD, Spring 2012.

District of Columbia, DC GIS Geodatabase, June 2011.

National Park Service, GIS data, 2010.

Washington Metropolitan Area Transit Authority, survey data and aerial imagery, 2011.





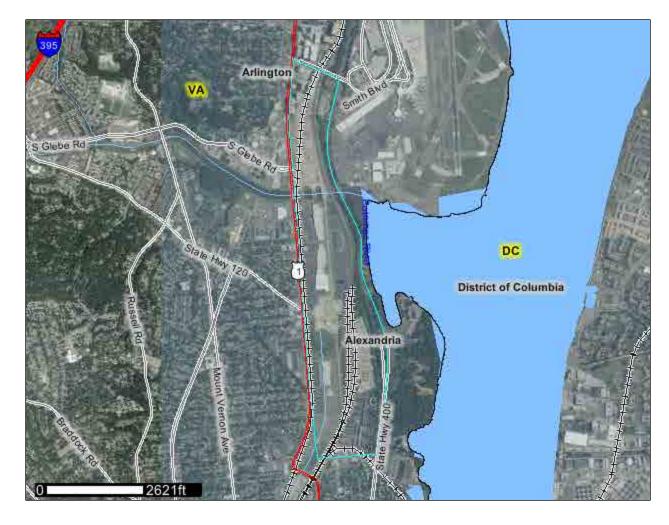
Conservation

Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Alexandria City, Virginia, and Arlington County, Virginia

Potomac Yard Metrorail Station EIS



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://soils.usda.gov/sqi/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (http://offices.sc.egov.usda.gov/locator/app? agency=nrcs) or your NRCS State Soil Scientist (http://soils.usda.gov/contact/state_offices/).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Soil Data Mart Web site or the NRCS Web Soil Survey. The Soil Data Mart is the data storage site for the official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the

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individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

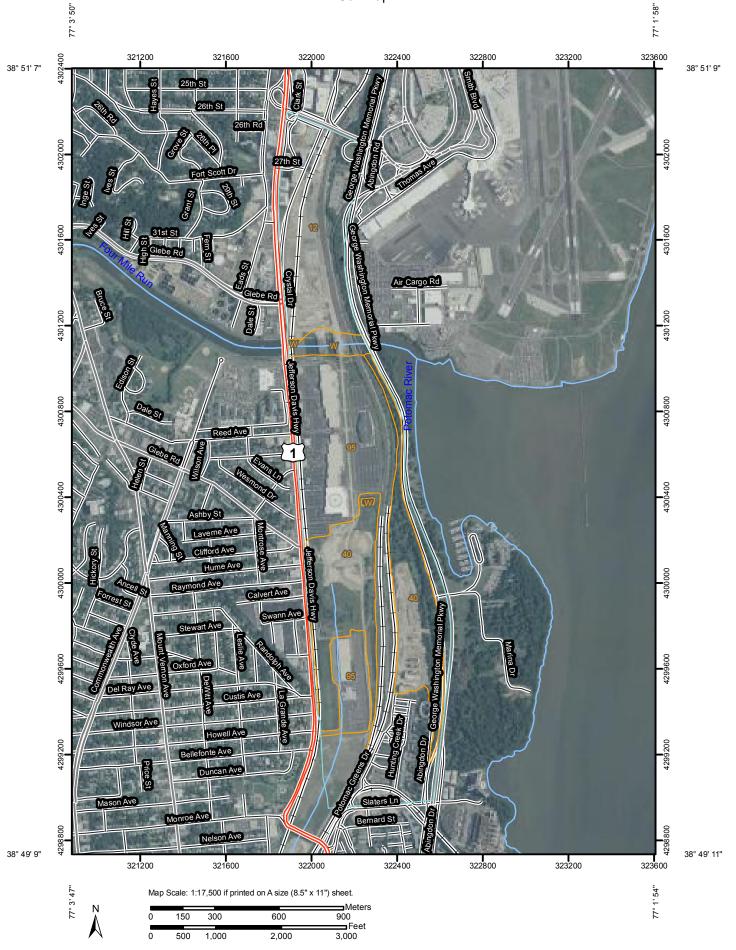
Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Units

Special Point Features

 \odot Blowout

Borrow Pit \bowtie

Clay Spot

Closed Depression

Gravel Pit ×

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water ⊚

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

E Spoil Area

Stony Spot

Very Stony Spot



Wet Spot

Other

Special Line Features

2

Gully

Short Steep Slope

11 Other

Political Features

Cities

Water Features

Streams and Canals

Transportation



Rails

Interstate Highways



US Routes



Major Roads



Local Roads

MAP INFORMATION

Map Scale: 1:17,500 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at scales ranging from 1:12,000 to 1:24,000.

Please rely on the bar scale on each map sheet for accurate map measurements

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov Coordinate System: UTM Zone 18N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Alexandria City, Virginia Survey Area Data: Version 5, Dec 14, 2009

Soil Survey Area: Arlington County, Virginia Survey Area Data: Version 12, Aug 9, 2010

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries

Date(s) aerial images were photographed: 6/25/2003; 6/21/2005

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Alexandria City, Virginia (VA510)					
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI		
40	Grist Mill sandy loam, 0 to 25 percent slopes	114.1	30.3%		
95	Urban land	174.3	46.2%		
W	Water		2.4%		
Subtotals for Soil Survey Area		297.6	78.9%		
Totals for Area of Interest		377.1	100.0%		

Arlington County, Virginia (VA013)				
Map Unit Symbol	Map Unit Name	Acres in AOI Percent of AOI		
12	Urban land-Udorthents complex, 2 to 15 percent slopes	79.1	21.0%	
W Water		0.4	0.1%	
Subtotals for Soil Survey Area		79.5	21.1%	
Totals for Area of Interest		377.1	100.0%	

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with

Custom Soil Resource Report

some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An association is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Alexandria City, Virginia

40—Grist Mill sandy loam, 0 to 25 percent slopes

Map Unit Setting

Mean annual precipitation: 37 to 49 inches Mean annual air temperature: 45 to 67 degrees F

Frost-free period: 185 to 212 days

Map Unit Composition

Grist mill and similar soils: 100 percent

Description of Grist Mill

Setting

Landform: Marine terraces

Landform position (two-dimensional): Summit, backslope, shoulder

Landform position (three-dimensional): Tread

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Earthy fill of fluviomarine deposits

Properties and qualities

Slope: 0 to 25 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to

moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 24 to 79 inches

Frequency of flooding: None Frequency of ponding: None

Available water capacity: Moderate (about 7.8 inches)

Interpretive groups

Land capability (nonirrigated): 2e

Typical profile

0 to 6 inches: Sandy loam 6 to 60 inches: Sandy clay loam

95—Urban land

Map Unit Setting

Mean annual precipitation: 28 to 58 inches Mean annual air temperature: 87 to 89 degrees F

Frost-free period: 175 to 200 days

Map Unit Composition

Urban land: 95 percent

Description of Urban Land

Interpretive groups

Land capability (nonirrigated): 8s

W—Water

Map Unit Composition Water: 100 percent

Arlington County, Virginia

12—Urban land-Udorthents complex, 2 to 15 percent slopes

Map Unit Setting

Mean annual precipitation: 36 to 46 inches Mean annual air temperature: 54 to 57 degrees F

Frost-free period: 140 to 200 days

Map Unit Composition

Urban land: 85 percent

Udorthents and similar soils: 15 percent

Description of Urban Land

Interpretive groups

Land capability (nonirrigated): 8s

Description of Udorthents

Properties and qualities

Slope: 2 to 15 percent

Depth to restrictive feature: More than 80 inches Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Interpretive groups

Land capability (nonirrigated): 6s

W-Water

Map Unit Setting

Mean annual precipitation: 36 to 46 inches Mean annual air temperature: 54 to 57 degrees F

Frost-free period: 140 to 200 days

Map Unit Composition

Water: 100 percent

Soil Information for Urban Uses

Soil Reports

The Soil Reports section includes various formatted tabular and narrative reports (tables) containing data for each selected soil map unit and each component of each unit. No aggregation of data has occurred as is done in reports in the Soil Properties and Qualities and Suitabilities and Limitations sections.

The reports contain soil interpretive information as well as basic soil properties and qualities. A description of each report (table) is included.

Building Site Development

This folder contains a collection of tabular reports that present soil interpretations related to building site development. The reports (tables) include all selected map units and components for each map unit, limiting features and interpretive ratings. Building site development interpretations are designed to be used as tools for evaluating soil suitability and identifying soil limitations for various construction purposes. As part of the interpretation process, the rating applies to each soil in its described condition and does not consider present land use. Example interpretations can include corrosion of concrete and steel, shallow excavations, dwellings with and without basements, small commercial buildings, local roads and streets, and lawns and landscaping.

Roads and Streets, Shallow Excavations, and Lawns and Landscaping (Potomac Yard Metrorail Station EIS)

Soil properties influence the development of building sites, including the selection of the site, the design of the structure, construction, performance after construction, and maintenance. This table shows the degree and kind of soil limitations that affect local roads and streets, shallow excavations, and lawns and landscaping.

The ratings in the table are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect building site development. *Not limited* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Somewhat limited* indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates that the soil has one or more features that are

unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the table indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Local roads and streets have an all-weather surface and carry automobile and light truck traffic all year. They have a subgrade of cut or fill soil material; a base of gravel, crushed rock, or soil material stabilized by lime or cement; and a surface of flexible material (asphalt), rigid material (concrete), or gravel with a binder. The ratings are based on the soil properties that affect the ease of excavation and grading and the traffic-supporting capacity. The properties that affect the ease of excavation and grading are depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, depth to a water table, ponding, flooding, the amount of large stones, and slope. The properties that affect the traffic-supporting capacity are soil strength (as inferred from the AASHTO group index number), subsidence, linear extensibility (shrink-swell potential), the potential for frost action, depth to a water table, and ponding.

Shallow excavations are trenches or holes dug to a maximum depth of 5 or 6 feet for graves, utility lines, open ditches, or other purposes. The ratings are based on the soil properties that influence the ease of digging and the resistance to sloughing. Depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, the amount of large stones, and dense layers influence the ease of digging, filling, and compacting. Depth to the seasonal high water table, flooding, and ponding may restrict the period when excavations can be made. Slope influences the ease of using machinery. Soil texture, depth to the water table, and linear extensibility (shrink-swell potential) influence the resistance to sloughing.

Lawns and landscaping require soils on which turf and ornamental trees and shrubs can be established and maintained. Irrigation is not considered in the ratings. The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. The properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. The properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer.

Information in this table is intended for land use planning, for evaluating land use alternatives, and for planning site investigations prior to design and construction. The information, however, has limitations. For example, estimates and other data generally apply only to that part of the soil between the surface and a depth of 5 to 7 feet. Because of the map scale, small areas of different soils may be included within the mapped areas of a specific soil.

The information is not site specific and does not eliminate the need for onsite investigation of the soils or for testing and analysis by personnel experienced in the design and construction of engineering works.

Government ordinances and regulations that restrict certain land uses or impose specific design criteria were not considered in preparing the information in this table. Local ordinances and regulations should be considered in planning, in site selection, and in design.

Report—Roads and Streets, Shallow Excavations, and Lawns and Landscaping (Potomac Yard Metrorail Station EIS)

[Onsite investigation may be needed to validate the interpretations in this table and to confirm the identity of the soil on a given site. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The table shows only the top five limitations for any given soil. The soil may have additional limitations]

Roads a	Roads and Streets, Shallow Excavations, and Lawns and Landscaping- Alexandria City, Virginia											
Map symbol and soil	Pct. of	Local roads and st	reets	Shallow excavation	ons	Lawns and landscaping						
name	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value					
40—Grist Mill sandy loam, 0 to 25 percent slopes												
Grist mill	100	Very limited		Somewhat limited		Very limited						
		Frost action	1.00	Depth to saturated zone	0.87	Too dense	1.00					
		Shrink-swell	0.01	Cutbanks cave	0.10							
95—Urban land												
Urban land	95	Not rated		Not rated		Not rated						
W—Water												
Water	100	Not rated		Not rated		Not rated						

Roads and Streets, Shallow Excavations, and Lawns and Landscaping– Arlington County, Virginia											
Map symbol and soil	Pct. of	Local roads and st	reets	Shallow excavation	ons	Lawns and landscaping					
name	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value				
12—Urban land- Udorthents complex, 2 to 15 percent slopes											
Urban land	85	Not rated		Not rated		Not rated					
Udorthents	15	Not rated		Not rated		Not rated					
W—Water											
Water	100	Not rated		Not rated		Not rated					

Soil Physical Properties

This folder contains a collection of tabular reports that present soil physical properties. The reports (tables) include all selected map units and components for each map unit. Soil physical properties are measured or inferred from direct observations in the field or laboratory. Examples of soil physical properties include percent clay, organic matter, saturated hydraulic conductivity, available water capacity, and bulk density.

Engineering Properties (Potomac Yard Metrorail Station EIS)

This table gives the engineering classifications and the range of engineering properties for the layers of each soil in the survey area.

Depth to the upper and lower boundaries of each layer is indicated.

Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, "gravelly."

Classification of the soils is determined according to the Unified soil classification system (ASTM, 2005) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO, 2004).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest.

Rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage.

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves, numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field.

Liquid limit and *plasticity index* (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination.

References:

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Absence of an entry indicates that the data were not estimated. The asterisk '*' denotes the representative texture; other possible textures follow the dash.

		E	ingineering	Properties	– Alexandı	ria City, Virç	ginia					
Map unit symbol and soil	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number—				Liquid	Plasticity
name			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200	limit	index
	In				Pct	Pct					Pct	
40—Grist Mill sandy loam, 0 to 25 percent slopes												
Grist mill	0-6	*Sandy loam, Gravelly loam, loam, silt loam	SC, ML, MH, CL, SM, SC-SM	A-4, A-7-5	0	0	75-100	70-100	42-100	21-90	18-59	3-24
	6-60	*Sandy clay loam, Fine sandy loam, loam, silt loam, clay, gravelly sandy clay loam, sandy loam	CL, SC- SM, SC, CL- ML, SM, ML, CH	A-6, A-4, A-1-b, A-7-6	0	0	78-100	70-100	42-100	23-95	16-67	2-43
95—Urban land												
Urban land	_	_	_	_	_	_	_	_	_	_	_	_
W—Water												
Water	_	_	_	_	_	_	_	_	_	_	_	_

Engineering Properties– Arlington County, Virginia												
Map unit symbol and soil	Depth	USDA texture	Classi	fication	Frag	ments	Percer	ntage passi	ng sieve nu	ımber—	Liquid	Plasticity
name			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200	limit	index
	In				Pct	Pct					Pct	
12—Urban land- Udorthents complex, 2 to 15 percent slopes												
Urban land	_	_	_	_	_	_	_	_	_	_	_	_
Udorthents	_	_	_	_	_	_	_	_	_	_	_	_
W—Water												
Water	_	_	_	_	_	_	_	_	_	_	_	_

Particle Size and Coarse Fragments (Potomac Yard Metrorail Station EIS)

This table shows estimates of particle size distribution and coarse fragment content of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

Sand as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. In this table, the estimated sand content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Silt as a soil separate consists of mineral soil particles that are 0.002 to 0.05 millimeter in diameter. In this table, the estimated silt content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Clay as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In this table, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrinkswell potential, saturated hydraulic conductivity (Ksat), plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

Total fragments is the content of fragments of rock and other materials larger than 2 millimeters in diameter on volumetric basis of the whole soil.

Fragments 2-74 mm refers to the content of coarse fragments in the 2 to 74 millimeter size fraction.

Fragments 75-249 mm refers to the content of coarse fragments in teh 75 to 249 millimeter size fraction.

Fragments 250-599 mm refers to the content of coarse fragments in the 250 to 599 millimeter size fraction.

Fragments >=600 mm refers to the content of coarse fragments in the greater than or equal to 600 millimeter size fraction.

Reference:

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. (http://soils.usda.gov)

	Particle Size and Coarse Fragments– Alexandria City, Virginia											
Map symbol and soil name	Horizon	Depth	Sand	Silt	Clay	Total fragments	Fragments 2-74 mm	Fragments 75-249 mm	Fragments 250-599 mm	Fragments >=600 mm		
		In	L-RV-H Pct	L-RV-H Pct	L-RV-H Pct	RV Pct	RV Pct	RV Pct	RV Pct	RV Pct		
40—Grist Mill sandy loam, 0 to 25 percent slopes												
Grist Mill	H1	0-6	15-56- 80	5-29- 80	7-16- 35	2	2	_	_	_		
	H2	6-60	5-50- 80	5-22- 80	5-28- 60	13	13	_	_	_		
95—Urban land												
Urban Land	_	_	_	_	_	_	_	_	_	_		
W—Water												
Water	_	_	_	_	_	_	_	_	_	_		

	Particle Size and Coarse Fragments- Arlington County, Virginia										
Map symbol and soil name	Horizon	Depth	Sand	Silt	Clay	Total fragments	Fragments 2-74 mm	Fragments 75-249 mm	Fragments 250-599 mm	Fragments >=600 mm	
		In	L-RV-H Pct	L-RV-H Pct	L-RV-H Pct	RV Pct	RV Pct	RV Pct	RV Pct	RV Pct	
12—Urban land- Udorthents complex, 2 to 15 percent slopes											
Urban land	_	_	_	_	_	_	_	_	_	_	
Udorthents	_	_	_	_	_	_	_	_	_	_	
W—Water											
Water	_	_	_	_	_	_	_	_	_	_	

Physical Soil Properties (Potomac Yard Metrorail Station EIS)

This table shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

Sand as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. In this table, the estimated sand content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Silt as a soil separate consists of mineral soil particles that are 0.002 to 0.05 millimeter in diameter. In this table, the estimated silt content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Clay as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In this table, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrinkswell potential, saturated hydraulic conductivity (Ksat), plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

Moist bulk density is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3- or 1/10-bar (33kPa or 10kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute linear extensibility, shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates in the table are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity (Ksat) is considered in the design of soil drainage systems and septic tank absorption fields.

Available water capacity refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

Linear extensibility refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at 1/3- or 1/10-bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the table as percent change for the whole soil. The amount and type of clay minerals in the soil influence volume change.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

Organic matter is the plant and animal residue in the soil at various stages of decomposition. In this table, the estimated content of organic matter is expressed as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter. The content of organic matter in a soil can be maintained by returning crop residue to the soil.

Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Erosion factors are shown in the table as the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and Ksat. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

Erosion factor Kw indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Erosion factor Kf indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

Erosion factor T is an estimate of the maximum average annual rate of soil erosion by wind and/or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

Wind erodibility groups are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible. The groups are described in the "National Soil Survey Handbook."

Wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion.

There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

Reference:

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. (http://soils.usda.gov)

	Physical Soil Properties– Alexandria City, Virginia													
Map symbol	Depth	Sand	Silt	Clay	Moist	Saturated	Available	Linear	Organic	Eros	ion fa	ctors	Wind	Wind
and soil name					bulk density	hydraulic conductivity	water capacity	extensibility	matter	Kw	Kf	Т	erodibility group	erodibility index
	In	Pct	Pct	Pct	g/cc	micro m/sec	In/In	Pct	Pct					
40—Grist Mill sandy loam, 0 to 25 percent slopes														
Grist mill	0-6	15-56- 80	5-29- 80	7-16- 35	1.50-1.90	1.40-4.00	0.07-0.19	0.0-2.9	0.3-7.5	.24	.24	5	3	86
	6-60	5-50- 80	5-22- 80	5-28- 60	1.50-1.90	0.42-1.40	0.07-0.22	0.0-5.0	0.0-0.5	.15	.15			
95—Urban land														
Urban land	_	_	_	_	_	_	_	_	_					
W—Water														
Water	_	_	_	_	_	_	_	_	_					

	Physical Soil Properties- Arlington County, Virginia													
Map symbol	Depth	Sand	Silt	Clay	Moist	Saturated	Available	Linear	_	Eros	ion fa	ctors	Wind	Wind
and soil name					bulk density	hydraulic conductivity	water capacity	extensibility	matter	Kw	Kf	Т	erodibility group	erodibility index
	In	Pct	Pct	Pct	g/cc	micro m/sec	In/In	Pct	Pct					
12—Urban land- Udorthents complex, 2 to 15 percent slopes														
Urban land	_	_	_	_	_	_	_	_	_					
Udorthents	_	_	_	_	_	_	_	_	_					
W—Water														
Water	_	_	_	_	_	_	_	_	_					

Soil Qualities and Features

This folder contains tabular reports that present various soil qualities and features. The reports (tables) include all selected map units and components for each map unit. Soil qualities are behavior and performance attributes that are not directly measured, but are inferred from observations of dynamic conditions and from soil properties. Example soil qualities include natural drainage, and frost action. Soil features are attributes that are not directly part of the soil. Example soil features include slope and depth to restrictive layer. These features can greatly impact the use and management of the soil.

Soil Features (Potomac Yard Metrorail Station EIS)

This table gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A *restrictive layer* is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. *Depth to top* is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage, or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected initial subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

Potential for frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, saturated hydraulic conductivity (Ksat), content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel

or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as *low*, *moderate*, or *high*, is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as *low*, *moderate*, or *high*. It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

	Soil Features– Alexandria City, Virginia										
Map symbol and		Res	trictive Layer		Subsidence		Potential for frost	Risk of c	orrosion		
soil name	Kind	Depth to top	Thickness	Hardness	Initial	Total	action	Uncoated steel	Concrete		
		In	In		In	In					
40—Grist Mill sandy loam, 0 to 25 percent slopes											
Grist mill		_	_		_	_	High				
95—Urban land											
Urban land		_	_		_	_					
W—Water											
Water		_	_		_	_					

	Soil Features- Arlington County, Virginia										
Map symbol and		Res	strictive Layer		Subsidence		Potential for frost	Risk of corrosion			
soil name	Kind	Depth to top	Thickness	Hardness	Initial	Total	action	Uncoated steel	Concrete		
		In	In		In	In					
12—Urban land- Udorthents complex, 2 to 15 percent slopes											
Urban land		_	_		0	0	None				
Udorthents		_	_		0	0					
W—Water											
Water		_	_		_	_					

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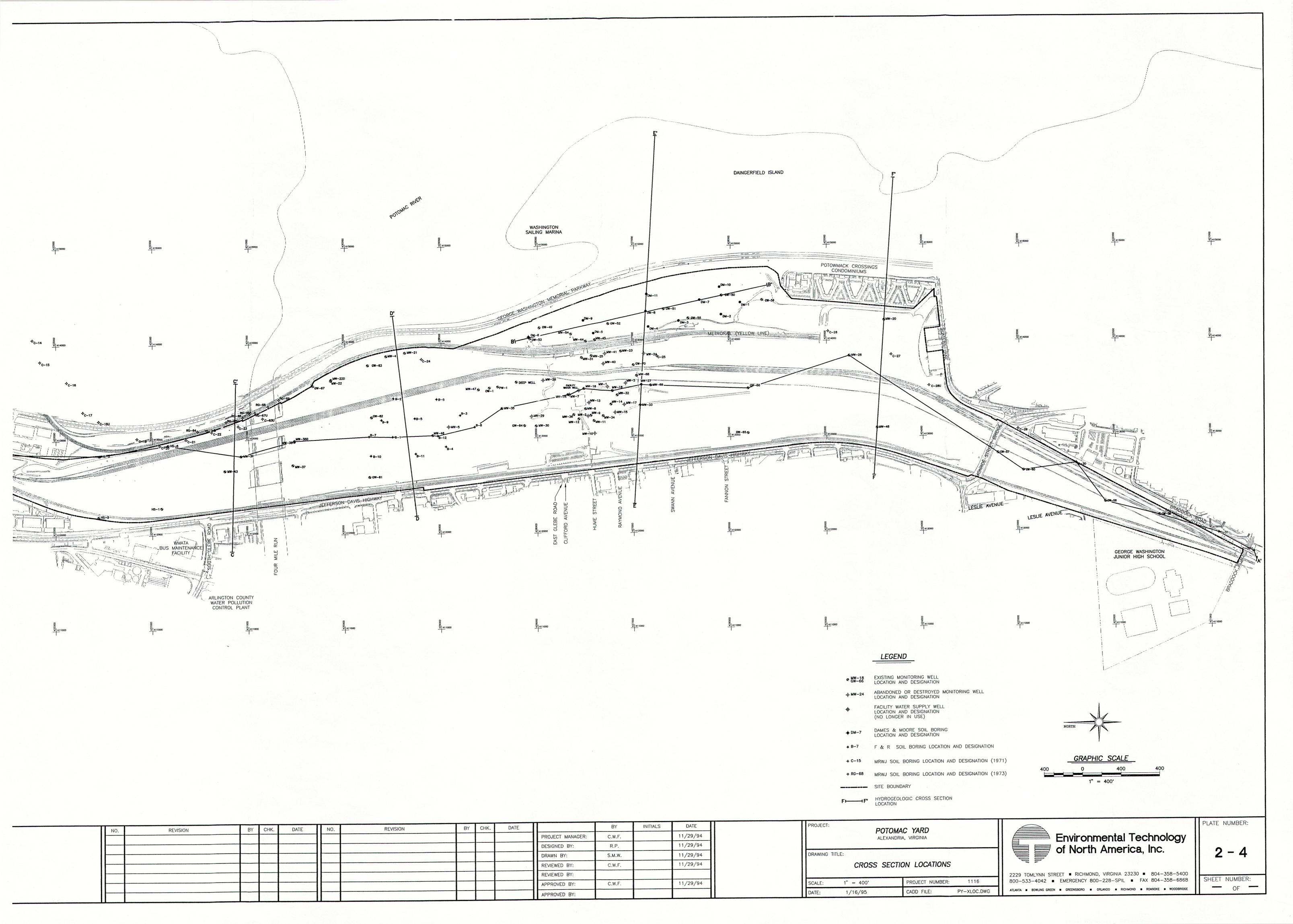
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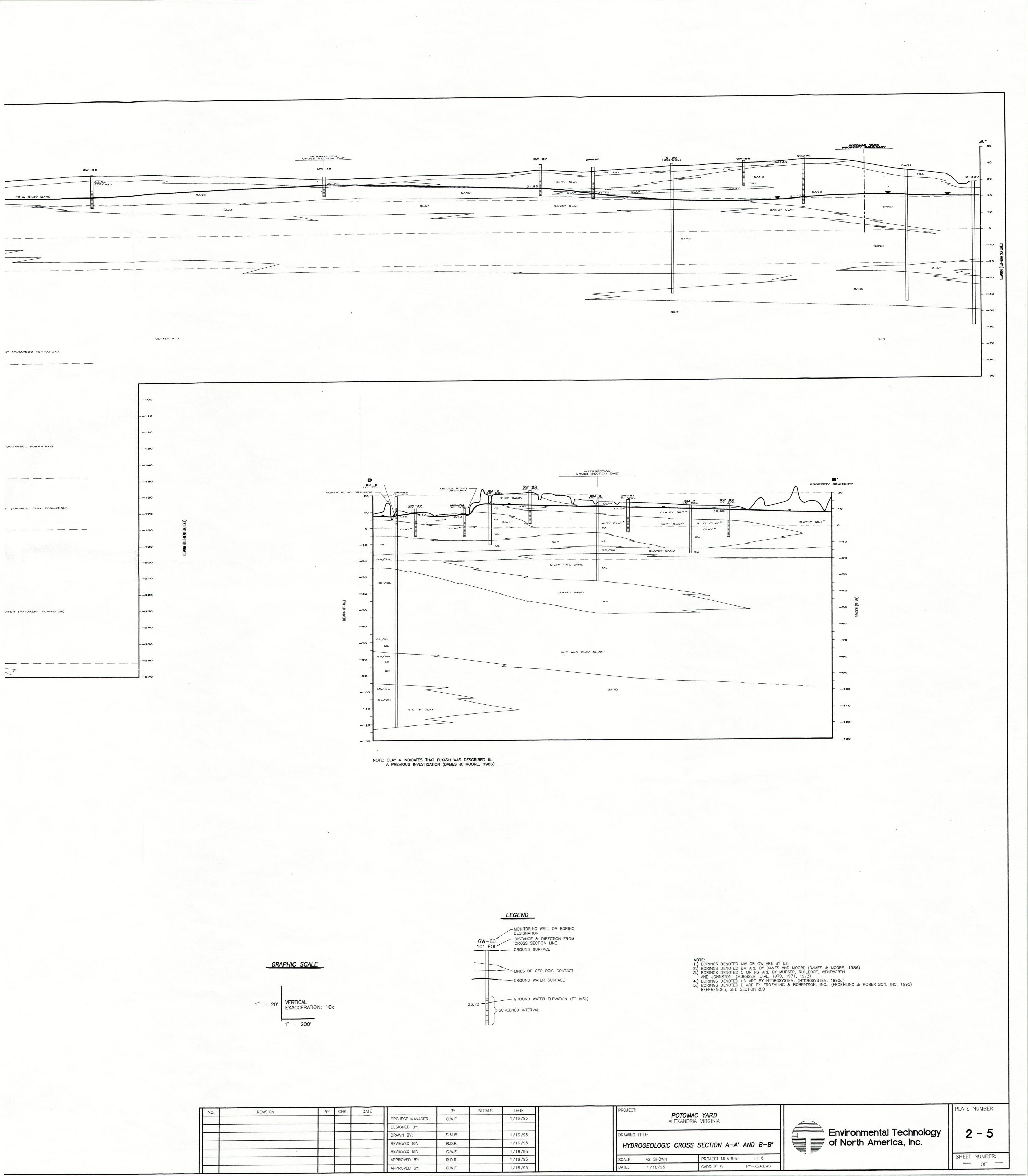
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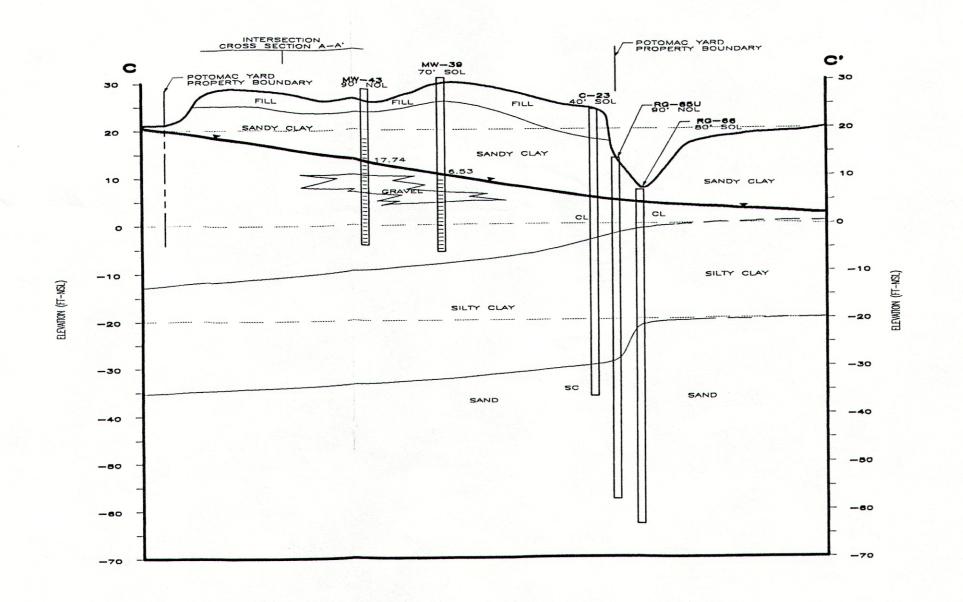
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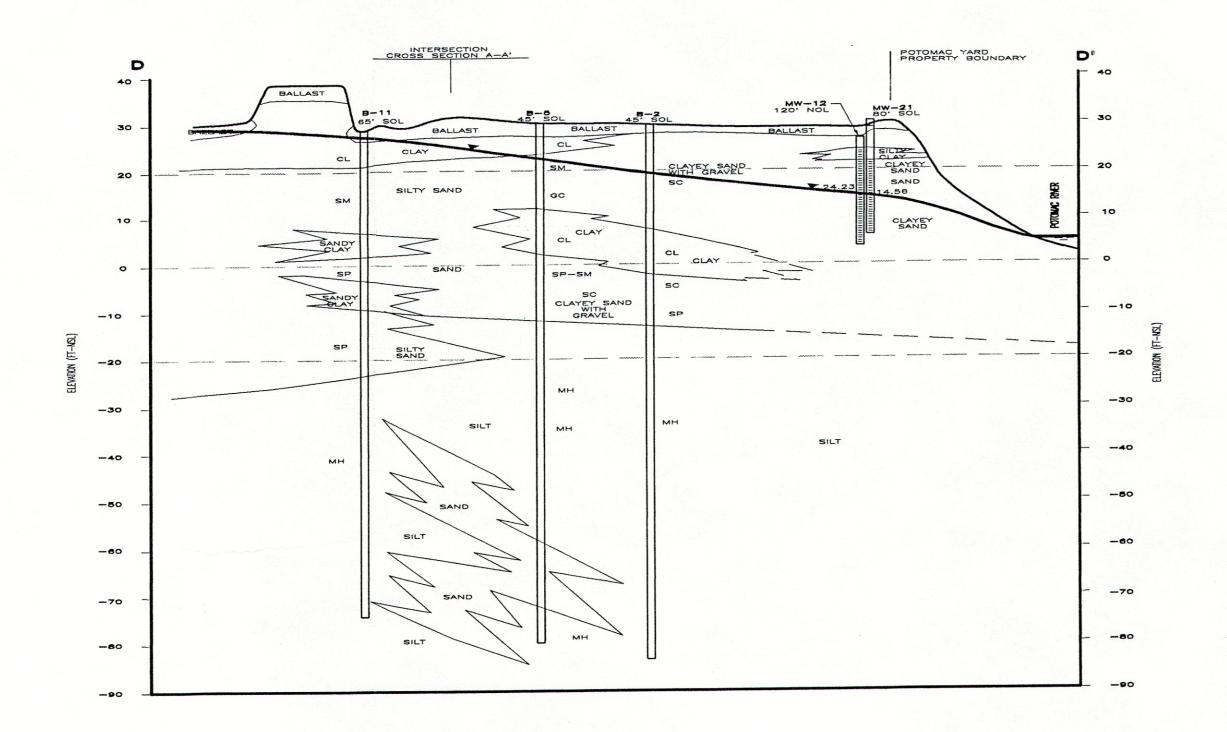
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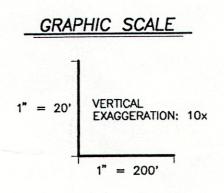
APPENDIX C: POTOMAC YARD CROSS SECTIONS (1995 EXTENT OF CONTAMINATION STUDY)

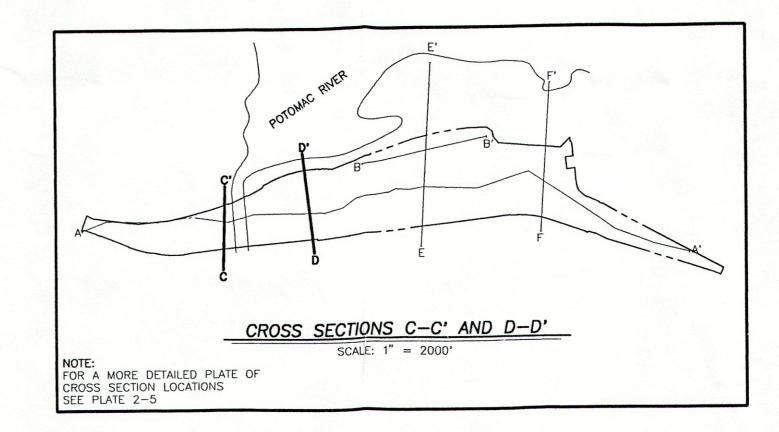






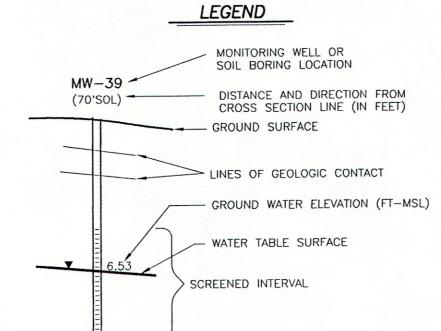






M/	JOR DIVISIO	NS	LETTER SYMBOL	TYPICAL DESCRIPTIONS
	Gravel and	O. Ossuels	GW	Well Graded Gravels, Gravel, Sand Mixtures, Little or No Fines
	Gravelly Soils More than 50% of Coarse Fraction	Little or No Filles	GP	Poorly Graded Gravels, Gravel—Sand Mixtures, Little or No Fines
Coarse Grained	Retained on No. 4	Gravels with Fines		Silty Gravels, Gravel—Sand Silt Mixture
Soils More than 50% of	Sieve	Appreciable Amount of Fines	GC	Clayey Gravels, Gravel—Sand—Clay Mixtures
Material is Larger than No. 200 Sieve Size		Clean Sand	SW	Well Graded Sands, Gravelly Sands, Little or No Fines
3120	Soils More than 50% of	Little or No Fines	SP	Poorly Graded Sands, Gravelly Sands Little or No Fines
		Sands with Fines	SM	Silty Sands, Sand-Silt Mixtures
		Appreciable Amount of Fines	SC	Clayey Sands, Sand-Clay Mixtures
			ML	Inorganic Silts and Very fine Sands, Roc Flour, Silty or Clayey Silts with Sligh Plasticity
Fine Grained Soils	Liquid Limit (and Clays Greater than 50%	CL	Inorganic Clays of Low to Medium Plasticity, Gravelly Clays, Sandy Clays Silty Clays, Lean Clays
More than 50% of Material is Smaller than No. 200 Sieve			OL	Organic Silts and Organic Silty Clays of Low Plasticity
Size			мн	Inorganic Silts, Micaceous or Distomaceous Fine Sands or Silty Soi
		and Clays Less than 50%	СН	Inorganic Clays of High Plasticity, Fa Clays
	1-1		OH	Organic Clays of Medium to High Plasticity, Organic Silts
Highly Orgo	nic Soils		PT	Peat, Humus, Swamp Soils with Hig Organic Contents

Note: Dual symbols are used to indicate borderline soil classifications. Source: American Society for Testing & Materials, 1982



* INDICATES THAT FLYASH WAS DESCRIBED IN A PREVIOUS INVESTIGATION (DAMES & MOORE, 1986)

1/16/95

NOTE:
1.) BORINGS DENOTED MW OR GW ARE BY ETI.
2.) BORINGS DENOTED DM ARE BY DAMES AND MOORE (DAMES & MOORE, 1986)
3.) BORINGS DENOTED C OR RG ARE BY MUESER, RUTLEDGE, WENTWORTH AND JOHNSTON. (MUESSER, ETAL, 1970, 1971, 1973)
4.) BORINGS DENOTED HS ARE BY HYDROSYSTEM, (HYDROSYSTEM, 1990a)
5.) BORINGS DENOTED B ARE BY FROEHLING & ROBERTSON, INC., (FROEHLING & ROBERTSON, INC. 1992)
REFERENCES, SEE SECTION 8.0

REFERÊNCES, SEE SECTION 8.0

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					1					REVIEWED BY:	J.D.C.		1/16/95
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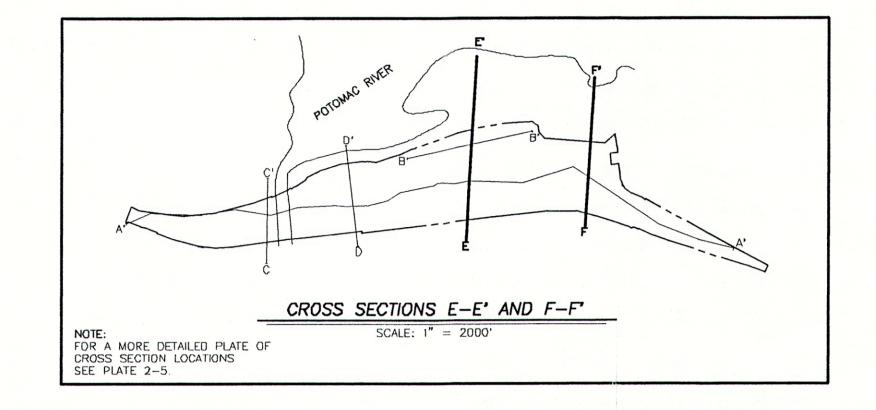
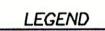
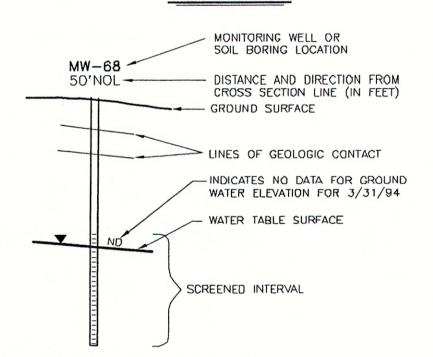


Table 2-9 Unified Soil Classification System

M/	JOR DIVISIO	NS	LETTER SYMBOL	TYPICAL DESCRIPTIONS				
	Gravel and	Clean Gravels	GW	Well Graded Gravels, Gravel, Sand Mixtures, Little or No Fines				
	More than 50% of Coarse Fraction							
course Gramed	Retained on No. 4 Sieve	Gravels with Fines	GM	Silty Gravels, Gravel—Sand Silt Mixtures				
Soils More than 50% of Material is Larger		Appreciable Amount of Fines	GC	Clayey Gravels, Gravel—Sand—Clay Mixtures				
than No. 200 Sieve Size	Sand and Sandy		SW	Well Graded Sands, Gravelly Sands, Little or No Fines				
	More than 50% of caarse Fraction Passing No. 4	Little or No Fines	SP	Poorly Graded Sands, Gravelly Sand Little or No Fines				
		Sands with Fines Appreciable Amount	SM	Silty Sands, Sand—Silt Mixtures				
	Sieve	of Fines	SC	Clayey Sands, Sand—Clay Mixtures				
			ML	Inorganic Silts and Very fine Sands, Rock Flour, Silty or Clayey Silts with Slight Plasticity				
Fine Grained Soils More than 50% of		a nd Clays Greater than 50%	CL	Inorganic Clays of Low to Medium Plasticity, Gravelly Clays, Sandy Clays, Silty Clays, Lean Clays				
Material is Smaller than No. 200 Sieve			OL	Organic Silts and Organic Silty Clays of Low Plasticity				
Size			мн	Inarganic Silts, Micaceous or Distomaceous Fine Sands or Silty Soils				
	Silts o Liquid Limit	a nd Clays Less than 50%	СН	Inorganic Clays of High Plasticity, Fat Clays				
			ОН	Organic Clays of Medium to High Plasticity, Organic Silts				
Highly Orga	nic Soils		PT	Peat, Humus, Swamp Soils with High Organic Contents				

Note: Dual symbols are used to indicate borderline soil classifications. Source: American Society for Testing & Materials, 1982





NOTE:

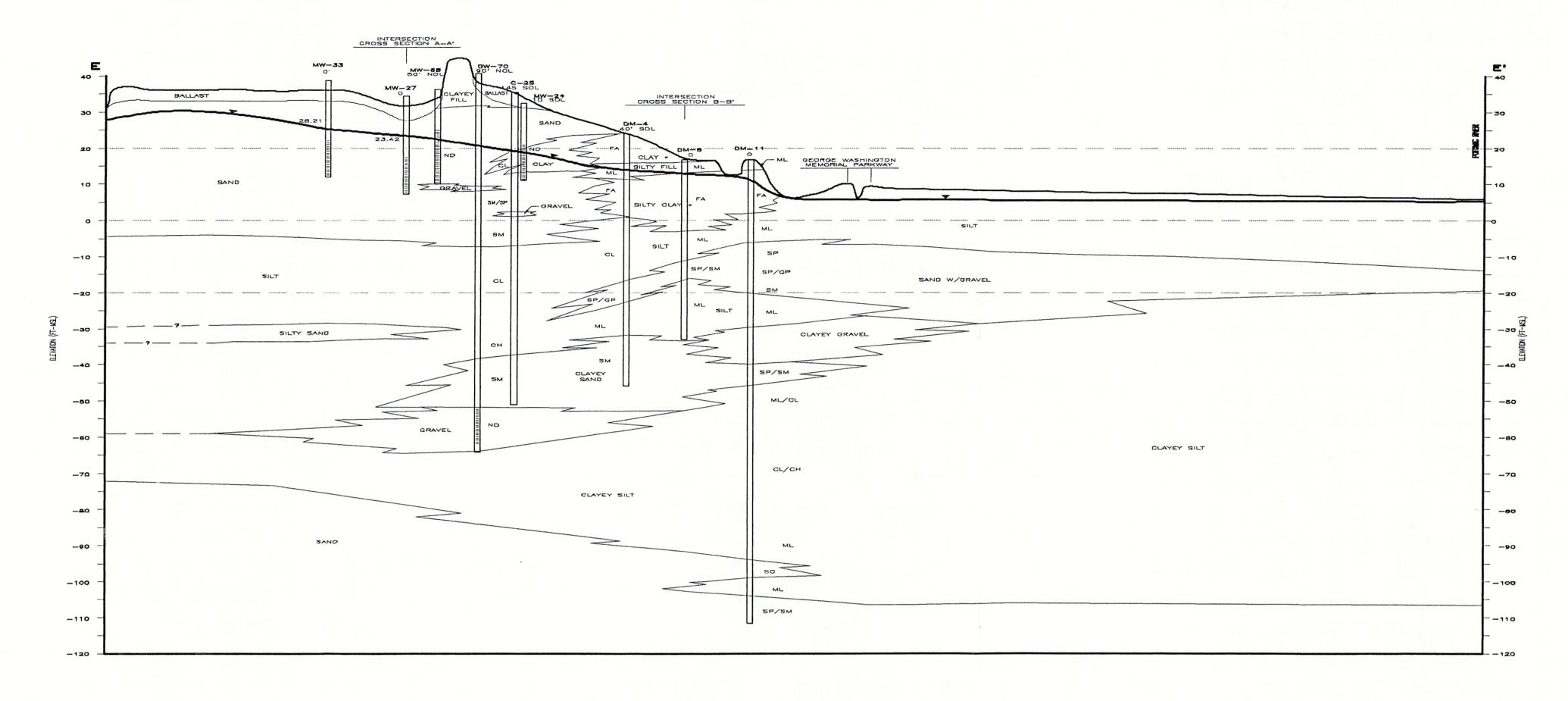
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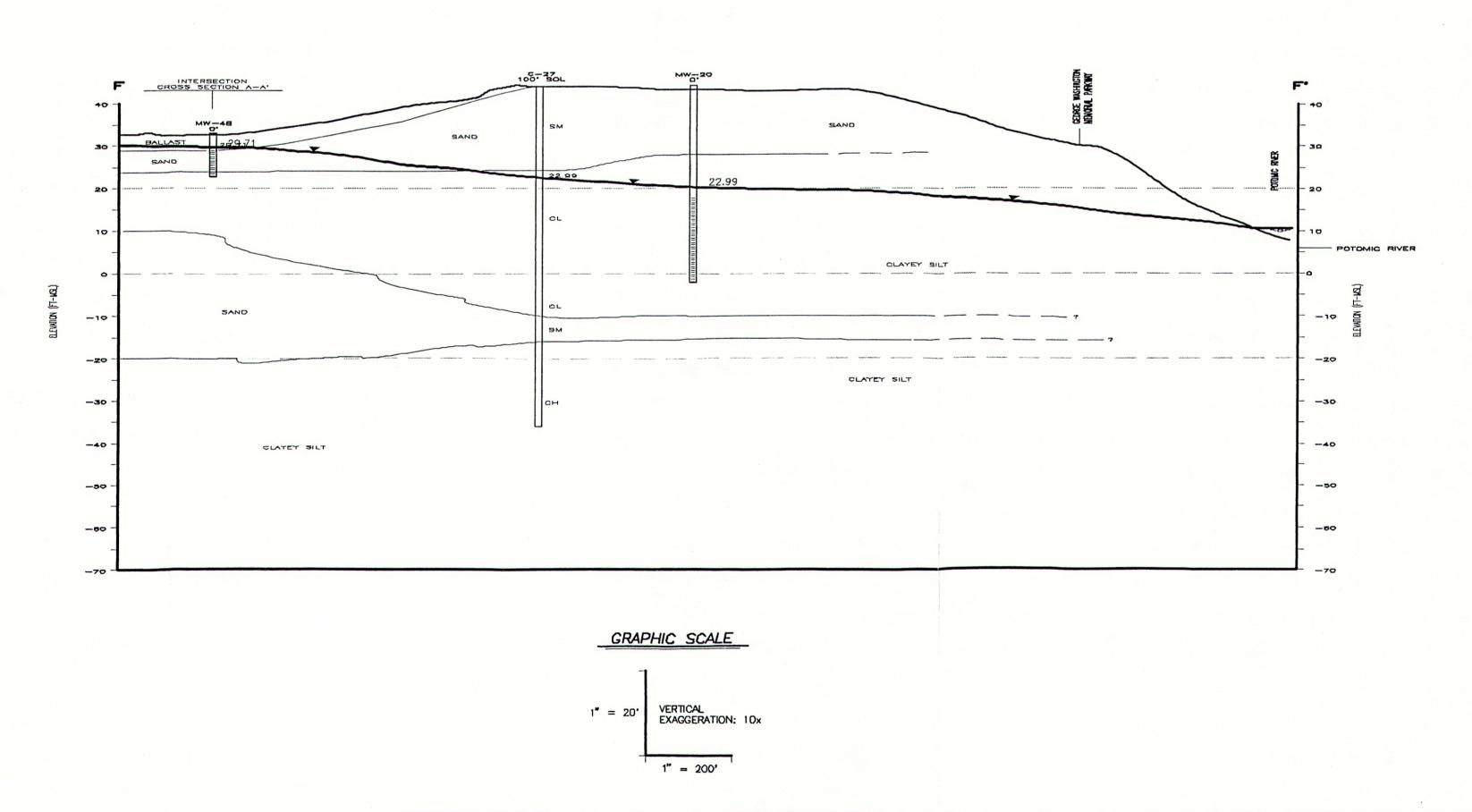
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NOTE: CLAY * INDICATES THAT FLYASH WAS DESCRIBED IN A PREVIOUS INVESTIGATION (DAMES & MOORE, 1986)



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										DRAWN BY:	S.M.W.		1/16/95	11
										REVIEWED BY:	J.D.C.		1/16/95	
										REVIEWED BY:	J.P.		1/16/95	
										APPROVED BY:	C.W.F.		1/16/95	
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RICHMOND, VIRGINIA 23230 - 804-358-5400 SHEET NUMBER: OF -

POTOMAC YARD METRORAIL STATION ENVIRONMENTAL IMPACT STATEMENT



Administrative Review
Draft
Phase I Environmental Site
Assessment and
Hazardous & Contaminated
Materials
Technical Memorandum

February 2013



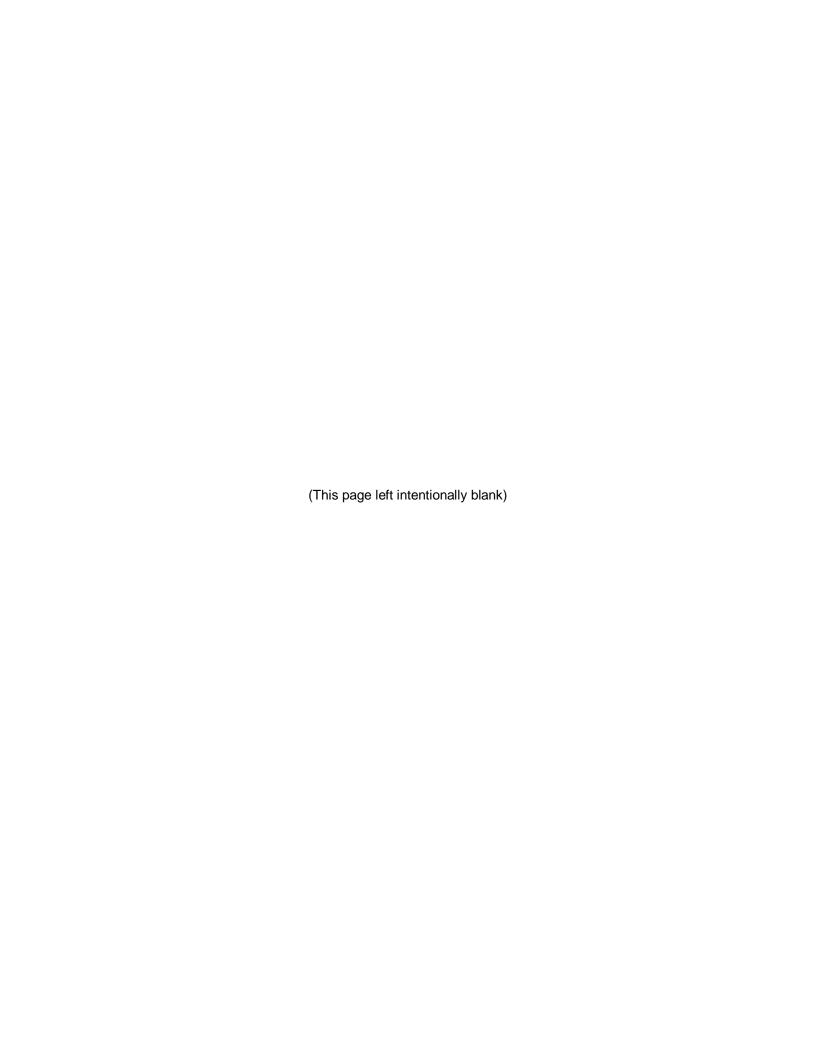


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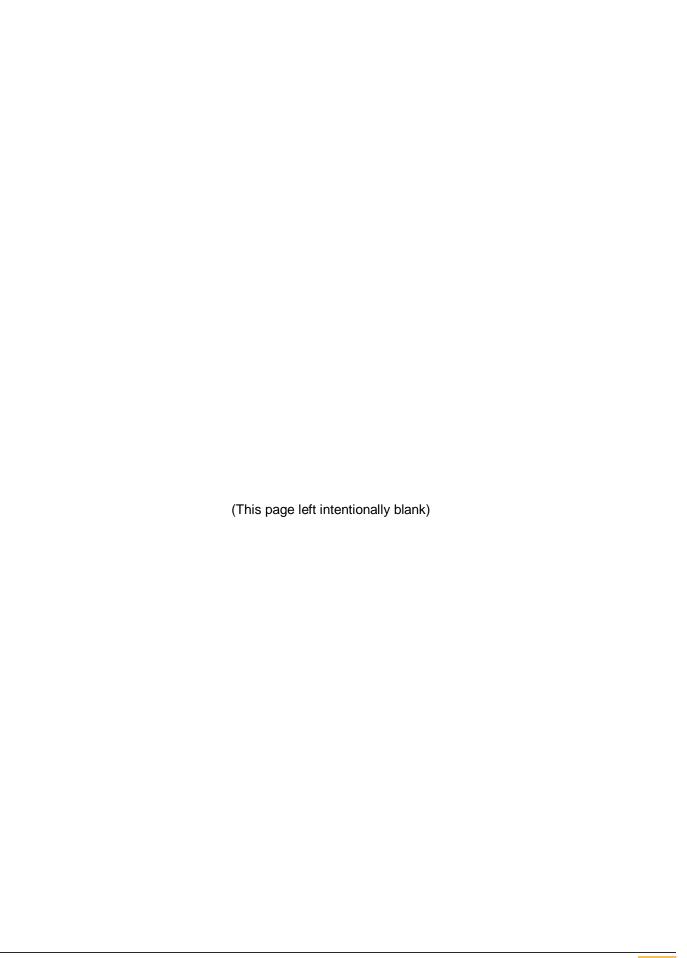
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1.0 INTRODUCTION

The Federal Transit Administration (FTA), as the lead federal agency, and the City of Alexandria, as the project sponsor and joint lead agency, have prepared a Draft Environmental Impact Statement (Draft EIS) in accordance with the National Environmental Policy Act (NEPA) for the proposed Potomac Yard Metrorail Station ("the project"). The Draft EIS has been prepared in cooperation with the Washington Metropolitan Area Transit Authority (WMATA) and the National Park Service (NPS).

This technical memorandum identifies the potential effects due to hazardous and contaminated materials for the No Build and three Build Alternatives. The memorandum describes the following:

- Project alternatives
- Applicable regulations and guidance
- Methodology
- Opening year conditions
- Potential effects of each alternative
- Mitigation

The findings of this analysis are incorporated in the Draft EIS. Temporary construction effects are described separately in the *Construction Impacts Technical Memorandum*. The findings of this analysis are incorporated in the Draft EIS.

This document is a Phase I Environmental Site Assessment (ESA) for the project which also serves as the technical memorandum for the preparation of the Draft EIS. The Phase I ESA is a due diligence task that includes the review of previous analyses and reports, provides confirmation of this information, and provides additional information as needed. All work was completed pursuant to American Society of Testing and Materials (ASTM) E1527-05 Standard Practice for Environmental Site Assessments; Phase I Environmental Site Assessment Process; and the U.S. Environmental Protection Agency (USEPA) All Appropriate Inquiries (AAI) - 40 CFR Part 312.

The Phase I ESA included the following tasks:

- Review of historical documentation including historic aerial photographs and historic topographic maps;
- Review of federal and state online database records and publications for known contaminated sites and for sites containing or generating hazardous substances;
- Review of Potomac Yard's Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) investigation records and reports acquired through the Freedom of Information Act (FOIA), the USEPA's on-line administrative record, the Virginia Department of Environmental Quality (VDEQ), and the City of Alexandria Office of Environmental Quality;
- Meetings with VDEQ and City of Alexandria staff regarding past investigations; and
- A site reconnaissance which focused on potential Recognized Environmental Condition Sites (RECs) in the project study area. To assess what RECs could directly impact the project, the study area was refined to use a narrower Phase I ESA area, which encompasses the site of the Build Alternatives ("the Site"). For the purposes of this Phase I ESA investigation, the Site includes the rail yard between Potomac Avenue in the west and the George Washington Memorial Parkway (GWMP) in the east (see Figure 1-1). Historic potential RECs which were located relatively far from the Phase I ESA area, such as along Route 1, were not further evaluated for potential impacts to the project. Potential RECs which were in or nearby the Phase I ESA area, such as potential RECs on the former Potomac Yard, were retained for further analysis.

This Phase I ESA has been completed to assist the NEPA compliance efforts for the project, identify any potential RECs that could impact the development and construction of the project, and identify potential mitigation or remedial options to avoid or lessen impacts from hazardous and contaminated materials that may exist at the former Potomac Rail Yard.

Construction of the project is consistent with the US Department of Transportation (USDOT) Brownfields Policy, adopted in 1998, which encourages participation in transportation projects that include the use and redevelopment of potentially contaminated sites, when appropriate, in support of the USEPA's Brownfields Initiative. Brownfields are abandoned, idled, or underused industrial and commercial properties where redevelopment is complicated by real or perceived contamination. The project site is not a registered USEPA Brownfield, however, the former Potomac Rail Yard has been the subject of extensive federal and state regulated remedial actions.

Figure 1-1: Project Study Area **Project Study Area** LEGEND Study Area Phase 1 Environmental Site Assessment Area 3157575 Existing Metrorail Blue/Yellow Line RONALD REAGAN WASHINGTON NATIONAL AIRPORT **CSXT Tracks** City/County/State Boundary SGLEBERD POTOMACIAVE ur Mile Run Polomec Piver E REED AVE EVANS LN EGLEBERD ASHBY ST HUME AVE Source: City of Alexandria; Arlington County; District of Columbia SWANN AVE Fairfax County City of E CUSTIS AVE E WINDSOR AVE E HOWELL AVE

E DUNCAN AVE

1,200 Feet

POTOMAC YARD METRORAIL STATION EIS

600

The document is organized as follows:

- Section 1.1 provides an overview of the Project Alternatives and the Phase I ESA study area;
- Section 2 describes the regional and site setting of the project;
- Section 3 provides Phase I ESA findings, including topographic mapping, aerial photography, and historic database search results of potential RECs in the Phase I ESA study area;
- Section 4 describes former Potomac Yard historic site operations and potential RECs;
- Section 5 summarizes previous remedial actions taken at former Potomac Yard RECs;
- Section 6 describes existing RECs within the study area;
- Section 7 summarizes which RECs may be affected by the project alternatives;
- Section 8 describes potential impacts from RECs, risk mitigation and remedial options;
- Section 9 summarizes potential regulatory requirements and coordination related to RECs;
- Section 10 provides a summary of the findings of the Phase I ESA and Hazardous and Contaminated Materials Technical Memorandum;
- Section 11 provides the qualifications of the authors; and
- Section 12 provides the references for the Phase I ESA and Hazardous and Contaminated Materials Technical Memorandum.

1.1 Project Alternatives

The Draft EIS evaluates a No Build Alternative and three Build Alternatives. Each Build Alternative includes the same area improvements as the No Build Alternative in addition to construction and operation of a Metrorail station.

1.1.1 No Build Alternative

The No Build Alternative is defined as the existing highway and transit network and committed transportation improvements from the National Capital Region Transportation Planning Board's Financially Constrained Long Range Plan (CLRP). The Draft EIS assumes that any improvements that are anticipated to be implemented by the project horizon year of 2040, whether physical or operational, are part of the No Build Alternative, with the exception of the new Metrorail Station at Potomac Yard.

The No Build Alternative includes the build-out of an internal street network within Potomac Yard (roughly from Four Mile Run to Braddock Road) and additional investments in transit and bicycle/pedestrian facilities, including a pedestrian bridge over the Metrorail and CSX Transportation (CSXT) rights-of-way between Potomac Greens and Potomac Yard. Anticipated transit investments include the Crystal City/Potomac Yard (CCPY) Transitway and an expansion of local transit service.

1.1.2 Build Alternatives

The Build Alternatives are described below and shown in Table 1-1 and Figure 1-2

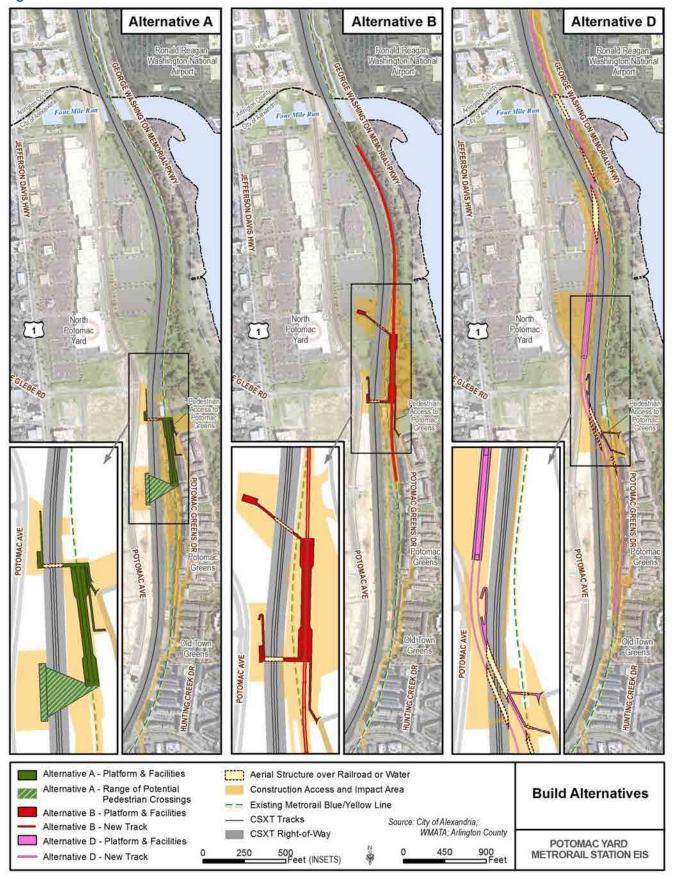
Build Alternative A

Build Alternative A would be located on the existing Metrorail tracks between the CSXT right-of-way and the north end of the Potomac Greens neighborhood, generally within the existing Metrorail Reservation easement designated during earlier planning efforts for the Potomac Yard area. The station would be at-grade with a side platform layout. Additional station facilities would include two pedestrian bridges from the station over the CSXT right-of-way to the planned development in Potomac Yard. The bridge at the northern end of the station would provide 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood.

Build Alternative A would include construction of a double crossover located approximately 900 feet south of the station. Build Alternative B

Build Alternative B would be located between the George Washington Memorial Parkway and the CSXT right-of-way, north of the Potomac Greens neighborhood and east of the south end of the existing Potomac Yard Shopping Center in North Potomac Yard. The station would be located within the Greens Scenic Area easement administered by NPS. The station would be at-grade. Additional station facilities would include two pedestrian bridges from the station over the CSXT right-of-way to the planned development in Potomac Yard. The bridge at the southern end of the station would provide 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood.

Figure 1-2: Build Alternatives



Build Alternative B would require the realignment of approximately 650 feet of existing track, as well as the installation of approximately 1,450 feet of new track. Special track work – a double crossover – would be required approximately 100 feet north of the station.

The new track and station would be built on retained fill, and a new retaining wall would be constructed on the east side of the track and station to support the structures.

Build Alternative D

Build Alternative D would be located west of the CSXT right-of-way near the existing Potomac Yard Shopping Center in North Potomac Yard. The station would be aerial with a center platform layout. One pedestrian/bicycle bridge over the CSXT right-of-way would be constructed, providing 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood. The pedestrian/bicycle bridge would be parallel to the new Metrorail bridge over the CSXT right-of-way.

Build Alternative D would require the realignment of approximately 550 feet of existing track, as well as the installation of approximately 5,800 feet of new track. The majority of new track would be elevated. Build Alternative D would also include construction of two Metrorail aerial bridges crossing the CSXT right-of-way to the north and south of the station, and a new Metrorail bridge over Four Mile Run. Construction of a double crossover would be required in a location approximately 100 feet north of the station. Following completion of construction, the old Metrorail tracks would be removed from service.

Additional structural improvements would include the removal and replacement of the existing retaining wall near the Potomac Greens neighborhood and the removal of an additional retaining wall west of the existing Metrorail tracks, north of the portal at the southern end of the neighborhood. The ballast and sub-ballast of the existing Metrorail alignment will be left in place with the timber ties handled in accordance with all applicable solid waste regulations.

Table 1-1: Potomac Yard Metrorail Station Build Alternatives

Alternative	Type and Layout	Track Work	Facilities for Station Access	Additional Structures Required
Build Alternative A	At-grade, side platform	Minimal track work	Two pedestrian bridges over CSXT right-of-way; access to Potomac Greens via walkway	None
Build Alternative B	At-grade, side platform	Moderate track work	Two pedestrian bridges over CSXT right-of-way; access to Potomac Greens via walkway	Structures (retaining wall) to support new track and station
Build Alternative D	Aerial, center platform	Major track work	One pedestrian bridge over CSXT right-of-way to provide access between Potomac Yard and Potomac Greens	Two aerial structures over CSXT right-of-way, one Metrorail bridge over Four Mile Run, aerial track and supports, and retaining wall replacement on the east and west sides of the tracks north of the existing Metrorail portal. New structures would pass over the existing Metrorail tracks, which would be removed following construction.

Note: Track work for Build Alternatives B and D assumes existing Blue and Yellow Line Metrorail track would be removed where track is realigned

2.0 SITE SETTING

This section details the regional and local site setting of the former Potomac Rail Yard and project study area and Phase I ESA area of investigation.

2.1 Project Location

Potomac Yard is located in the City of Alexandria and Arlington County, Virginia. The former Potomac Rail Yard site spans about 342 acres of land and is bordered by 27th Street to the north, Braddock Road to the south, U.S. Route 1 (Jefferson Davis Highway) to the west and the GWMP to the east. As described in Section 1.0, the Phase I ESA area comprises of portions of the former Potomac Rail Yard bordered by the Airport Access Road to the north, Slaters Lane to the south, Potomac Avenue to the west, and the GWMP to the east (referred to as "the Site").

2.2 Surrounding Land Use

The surrounding land use is a densely populated area, which continues to be developed for residential and commercial uses. A new plan for the redevelopment of the former Potomac Yard and the existing Potomac Yard Shopping Center was adopted by the City of Alexandria in 2010. The new redevelopment is planned as a mixed-use transit orientated development containing office, retail and residential uses, as well as open space.

2.3 Surface Waters and Hydrology

Major surface water bodies in the vicinity of the Site are the Potomac River and Four Mile Run. Four Mile Run crosses the former Potomac Yard from west to east in the northern portion of the property, and the Potomac River is located approximately 800 feet to the east. Regional drainage generally flows from west to east toward the Potomac River. The Potomac River in the vicinity of the Site is tidal. The tidal zone extends approximately 9 miles upstream from the mouth of Four Mile Run at the Potomac River. The tidal influence at Potomac Yard was reported to be approximately 3 feet in previous studies (*ETI*, 1995).

Drainage patterns in the vicinity of the Site are controlled principally by topographic relief and urbanization. In urban settings, such as the Potomac Yard, stormwater is managed predominantly in subsurface pipes and drainage ponds. Drainage from the Site generally flows to either Four Mile Run (in the northern portion of the Site), which in turn discharges to the Potomac River, or directly to the Potomac River. The Potomac River flows south and ultimately discharges to the Chesapeake Bay (*ETI*, 1995).

Previous studies at the Site have shown that shallow groundwater occurs at the former Potomac Yard under an unconfined water table and perched water table¹ conditions. The unconfined water table occurs at depths ranging from approximately 10 feet to 25 feet below ground surface (bgs). The perched water table is localized and may be seasonal in nature. The perched groundwater was encountered as shallow as 2 to 3 feet bgs. The water table groundwater elevations in monitoring wells during previous environmental site investigations generally ranged from about 5 feet to 33 feet mean sea level (msl) (*ETI*, 1995). Previous studies at the Site also identified groundwater contaminants from the historic rail yard activities. The groundwater contaminants are discussed in more detail in Section 6.3 of this Report.

Regional geology and previous site-specific subsurface investigations show a dense confining clay layer that impedes the movement of the water table and perched groundwater through the confining unit to underlying confined aquifers. The direction of flow and discharge of groundwater from the perched and water table aquifer within the study area is eastward toward the Potomac River. The direction of flow and discharge of groundwater from the perched and water table aquifer in the northern portion of the Potomac Yard is toward Four Mile Run.

Beneath the perched and water table aquifers are the middle (Patapsco) and lower (Patuxent) aquifers which exist under confined to semi-confined conditions. The lower (Patuxent) is the deepest confined aquifer in the regional geological framework. This unit was deposited directly on the bedrock surface at approximately 300 feet bgs. **Figure 2-1** depicts the aquifers and confining units beneath the Site.

¹ Perched groundwater is defined as "Unconfined groundwater separated from an underlying body of groundwater by an unsaturated zone. Its water table is a perched water table. Perched ground water is held up by a perching bed whose permeability is so low that water percolating downward through it is not able to bring water in the underlying unsaturated zone above atmospheric pressure." U.S. Geological Survey, Glossary of Hydrologic Terms, accessed at: http://or.water.usgs.gov/projs dir/willgw/glossary.html#P.

The middle and lower aquifers were once important sources of fresh water for public and commercial use in the region. Well yields from the aquifers ranged from 10 to 800 gallons per minute (gpm). However, public water supplies are now almost exclusively obtained from surface water sources. In the area of the Site, the middle and lower aquifers are only designated for use as a public water supply in an emergency. There are two City of Alexandria emergency public water supply wells located 3,500 feet southwest of the Site that are completed into the lower aquifer.

According to the Site Progress Report No. 51 for the former Potomac Yard USEPA CERCLA Site, dated August 1996, up to 94 monitoring and trench wells were located on the Potomac Yard. Forty-three of the wells were abandoned at the site from July 17 through July 25, 1996. According to the April 23, 2012 meeting with representatives of VDEQ, all monitoring wells at the site have since been abandoned.

2.4 Geology and Soils

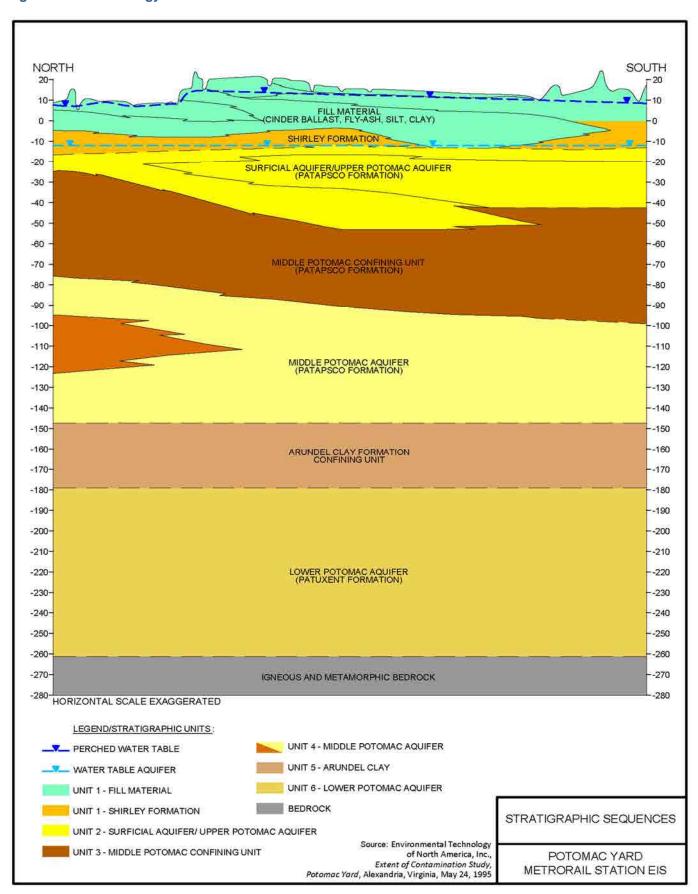
The study area is located near the western edge of the Coastal Plain physiographic province. The "Fall Line", located less than 5 miles west of the study area, marks the boundary between the Coastal Plain and the Piedmont physiographic provinces. The Coastal Plain is an eastward-thickening wedge of sedimentary deposits overlying igneous and metamorphic bedrock. The bedrock dips eastward from the Piedmont at approximately 125 feet per mile. The Coastal Plain sediments consist of clays, silts, sands, and gravels deposited in river and marine environments.

Depositional environments of the sediments varied during the formation of the Coastal Plain. Repeated marine transgressions and regressions occurred, interrupted by periods of erosion. Deposits found in such a dynamic environment are characterized by a variety of sediment types that often form inter-fingering units. This lateral and vertical variation in sediment types occurs on both regional and local scales. It is common to encounter discontinuous, localized units of one sediment type within a formation consisting of another sediment type (*Meng and Harsh*, 1988).

The sedimentary deposits of the Coastal Plain in the vicinity of the study area are the Potomac Group of Cretaceous age. The Potomac Group is subdivided into three formations. In ascending order, these are the Patuxent Formation (Patuxent), the Arundel Clay Formation (Arundel), and the Patapsco Formation (Patapsco). Overlying the Potomac Group are river terrace and alluvial deposits of Quaternary age identified as the Shirley Formation and fill material. **Figure 2-1** depicts the Site specific geology and soils at the Site.

The geology of the study area was delineated from ground surface to the bedrock during previous environmental and geotechnical investigations. The stratigraphic sequence of the study area consists of six units. In descending order, these units include: fill material (ballast-cinder, fly-ash, silt and clay), Shirley Formation, Patapsco Formation, Arundel Clay Formation, Patuxent Formation, and bedrock.

Figure 2-1: Site Geology



3.0 PHASE I ESA HISTORIC MAPS, AERIALS, AND DATABASE FINDINGS

The first step in the analysis process was to obtain an EDR Radius Map™ Report with GeoCheck® from the company Environmental Data Resources (EDR). The EDR Radius Map™ Report with GeoCheck® satisfies ASTM E1527-05 and USEPA's All Appropriate Inquiry rule. As part of the report, EDR utilizes a proprietary database, referred to as the National Environmental Data Information System (NEDIS), which integrates environmental records and land use information from thousands of federal, state, tribal, local, and private sources. The EDR report for the Potomac Yard Metrorail Station EIS provides a variety of data sources for the purpose of identifying potential RECs. The data sources include:

- Historical Sanborn Fire Insurance Maps
- Historical Aerial Photographs
- Historical Topographic Maps
- City Directory Abstract
- NEDIS (including federal and state environmental regulatory databases)

The topographic maps, aerial photography, and NEDIS regulatory database information were reviewed to determine historical land modification and the type of development through time at Potomac Yard. RECs, such as potential releases, retail gasoline operations, underground storage tanks (USTs), dry cleaners, and locations that may have distributed or stored hazardous materials and potential former fill/dump/landfill sites may be discerned and documented from these reports.

EDR conducted a search for historical Sanborn fire insurance maps of the study area. However, no fire insurance maps covering the property were found. In addition, EDR conducted a search of available city directory data for the subject property to evaluate the occupancy and ownership history of the study area for years spanning 1921 through 2003. No other business address or ownership information was provided by EDR for the study area. EDR's notification letters are included in **Appendix B**.

3.1 Historical Topographic Maps

The EDR Radius Map™ Report with GeoCheck® included historical topographic maps of the study area dating from 1885, 1894, 1943, 1951, 1956, 1965, 1971, 1972, 1983, and 1994. These topographic maps were developed by the United States Geological Survey (USGS). The topographic maps illustrate general land use and topographic conditions for each time period including the location of transportation facilities such as railroad corridors and rail yards, as well as the names and locations of surface water features. These maps were reviewed to evaluate historic land uses of the study areas and to document changes in land use over time. Findings from this review are presented in chronological order in this section. Copies of the historic topographic maps are provided in **Appendix C**.

1885 Topographic Map

The 1885 map depicts the Alexandria and Washington Railroad along the eastern portion of the study area along an approximately north-south axis. The Four Mile Run Railroad Station is present on the Alexandria and Washington Railroad line at the northeast corner of the study area, adjacent to the Potomac River. The Washington Ohio and Western Railroad crosses the southern portion of the study area along an approximate northwest-southeast axis, meeting the Alexandria and Washington Railroad at the Washington and Ohio Junction. An unnamed road appears to parallel the Washington Ohio and Western Railroad within the study area. No other improvements to the study area are depicted. The Four Mile Run stream is present in the northern portion of the study area, discharging to the Potomac River to the east.

1894 Topographic Map

Conditions in the 1894 map are generally consistent with those depicted on the 1885 map.

1943 Topographic Map

The Ronald Reagan Washington National Airport (National Airport) is present to the northeast of the study area, north of Four Mile Run. The study area is improved by a network of rail lines identified as the Potomac Yard. The study area is bound to the west by U.S. Route 1 and to the east by Mount Vernon Memorial Highway (MVMH). Several unnamed roads are present to the west of U.S. Route 1, while the MVMH is surrounded by vegetated land. The Washington Ohio and Western Railroad is labeled as the Washington and Old Dominion (W&OD) Railroad.

1951-1972 Topographic Maps

The 1951 topographic maps show a sailing marina and radio range towers are present to the east of MVMH along the Potomac River. A large development of residential buildings is present along the northeast side of the study area, west of Mount Vernon Memorial Highway. Otherwise conditions are generally similar to those depicted on the 1943 map. Conditions in the 1956 map are generally consistent with those shown on the 1951 map. In the 1965 map, several large buildings are present immediately adjacent to the west of U.S. Route 1. Otherwise conditions are generally consistent with those shown on the 1956 map. The W&OD Railroad is no longer present in the 1971 map, otherwise conditions are generally consistent with those shown on the 1971 map.

1983 Topographic Map

The Four Mile Run stream is channelized, flowing in a generally straight line from west to east beneath U.S. Route 1 and the GWMP into the Potomac River. Otherwise, conditions are generally consistent with those shown on the 1972 map.

1994 Topographic Map

The majority of the rail lines and yards have been removed from the Potomac Yard, with only two lines running along the eastern portion of the study area. The remainder of the former Potomac Yards appears to be dismantled and vacant.

3.2 Historical Aerial Photographs

EDR provided historical aerial photographs dating from 1949, 1957, 1959, 1962, 1964, 1970, 1974, 1980, 1994, 1998, 2000, and 2002. These photographs were reviewed to determine the historic land uses of the project Site and to document the areas modified over time. Findings from this review are presented in chronological order in this section. Copies of the historic aerial photographs are provided in **Appendix D**.

1949 Aerial Photograph

The 1949 aerial shows the Potomac Rail Yard to the west and GWMP to the east. The W&OD Railroad right-of-way crosses the rail yard at the southern end of the study area. Air fields associated with the current Ronald Reagan Washington National Airport are located to the northeast of the study area. Four Mile Run passes under the northern portion of Potomac Yard and discharges into the Potomac River to the east.

Structures consistent with those detailed in the Central Operations Area of the rail yard (see **Section 4.3**) are identifiable in the aerial photograph. A wetlands/vegetated area is present east of the Central Operations Area and GWMP.

1957 Aerial Photograph

Between 1949 and 1957, vegetation was cleared from the land located between GWMP and Potomac Yard, in the location which is now called the Potomac Greens Park (north and east of the Potomac Greens neighborhood). Apparent deposition or staging of materials are present which could be consistent with fly ash (detailed in Section 4.6.3). Development and land use conditions in Potomac Yard in the 1957 aerial appear consistent with those shown on the 1949 aerial.

1962 Aerial Photograph

Between 1957 and 1962, more vegetation was cleared from the land located between GWMP and Potomac Yard extended southward. Apparent deposition or staging of materials appear to be more prevalent which could be consistent with fly ash detailed in Section 4.6.3. Conditions at Potomac Yard appear to be similar to those shown on the 1957 aerial.

1964 Aerial Photograph

By 1964, the W&OD Railroad right-of-way is no longer present across the Potomac Rail Yard. More vegetation is apparent on the deposition and materials staging area land located between the GWMP and Potomac Yard. Structures consistent with those detailed in the Central Operations Area of the rail yard (see **Section 4.3**) are identifiable in the aerial photograph. The conditions at Potomac Yard appear to be similar to those shown on the 1962 aerial.

1974 Aerial Photograph

More vegetation since 1964 is apparent on the deposition area/materials storage area land located between GWMP and Potomac Yard. An apparent storage yard for train storage or assembly has been cleared south and east of Potomac Yard in this area consistent with the location of the current Potomac Greens neighborhood (see Section 4.6). Conditions at Potomac Yard appear to be similar to those shown on the 1964 aerial.

1980 Aerial Photograph

Four Mile Run is channelized into a straight course perpendicular to the bridges of Potomac Yard. The apparent staging area at the Potomac Greens area appears to be larger. Conditions at Potomac Yard appear to be similar to those shown on the 1974 aerial.

1994 Aerial Photograph

The resolution and quality of the photograph are poor. No observations can be made.

1998 Aerial Photograph

The tracks in Potomac Yard have been removed. Apparent commercial buildings and parking lots are located within the north central portion of the former rail yard. WMATA's Blue/Yellow Line is visible to the east. Development within the Potomac Greens area appears to be more extensive extending towards the north.

2000 Aerial Photograph

Additional commercial buildings and paved parking areas are present in the north central portion of the former rail yard. Development and grading activities appear to be present throughout. Otherwise, conditions in the 2000 aerial are generally similar with those shown on the 1998 aerial.

2002 Aerial Photograph

Only the north and central areas of Potomac Yard are shown. Conditions appear to be generally similar with those shown on the 2000 aerial.

3.3 State and Federal Database Findings

As part of the EDR Radius MapTM Report with GeoCheck®, the NEDIS database provides a query to identify hazardous and contaminated materials sites found within a ½-mile of the Build Alternative locations. These sites are then identified and placed on the Radius Map. These sites are identified through records search of both Federal and Virginia (VA) databases. The Radius Map and NEDIS database search results are provided in **Appendix E**. As summarized in **Table 3-1**, the NEDIS database search identified the following types of reports within the study area. Note, multiple databases can be reported for individual sites.

Federal Programs

- CERCLA/CERCLIS Comprehensive Environmental Response, Compensation, and Liability Act / Comprehensive Environmental Response, Compensation, and Liability Information System
- ERNS Emergency Response Notification System
- FINDS Facility Index System
- ICIS Integrated Compliance Information System
- RCRA Resource Conservation and Recovery Act
 - CESQG Conditionally Exempt Small Quantity Hazardous Waste Generators
 - LQG Large Quantity Hazardous Waste Generators
 - NonGen Generators no longer generating hazardous waste
 - SQG Small Quantity Hazardous Waste Generators

Commonwealth of Virginia Programs

- INST CONTROL Virginia Sites with Institutional Controls
- SPILLS and SPILL SITES -VDEQ's Pollution Response Program of spill incidents
- VA AST VDEQ Above Ground Storage Tanks
- VA UST VDEQ Underground Storage Tanks
- VA LUST and L TANKS VDEQ Leaking Underground Storage Tanks
- VA TIER 2 VDEQ facilities which store or manufacture hazardous materials
- VRP VDEQ Voluntary Remediation Program

EDR Proprietary NEDIS Database Source

• HISTORIC AUTO STATIONS – EDR NEDIS database of historic gas stations

Table 3-1: Federal and State Databases and Records Reports within ½-Mile of the Project Site

Database	1/4-Mile to 1/2 Mile Radius	1/8-Mile to 1/4-Mile Radius	100-Foot to 1/8-Mile Radius	100-Foot Radius	Study Area
CERCLA/CERCLIS	0	0	0	0	1
ERNS	0	1	0	0	0
FINDS	2	0	0	0	0
ICIS	1	0	0	0	1
VRP	0	1	0	0	0
INST CONTROL	1	0	0	0	0
VA TIER 2	1	2	0	0	1
VA UST	3	21	0	0	1
VA AST	1	1	0	0	0
VA LUST	7	9	0	0	2
LTANKS	13	15	0	0	2
SPILLS	5	2	0	0	0
Historic Auto Station	0	11	0	0	0
RCRA-NonGen	1	2	0	0	1
RCRA-SQG	1	9	0	0	0
RCRA-CESQG	0	5	1	1	0
Report Totals	34	79	1	1	9

Source: Environmental Data Resources Inc. Report, U.S. Route 1, Jefferson Davis Highway, Alexandria, VA, dated April 3, 2012.

Table 3-2 and **Figure 3-1** further refine potential RECs identified within or adjacent to the Phase I ESA study area. Other reports detailed in **Table 3-1** are located north and west of the former Potomac Yard and U.S. Route 1 and are not anticipated to impact the development of the Build Alternatives due to their distance from the Phase I ESA study area, and therefore are not shown in **Figure 3-1** or **Table 3-2**.

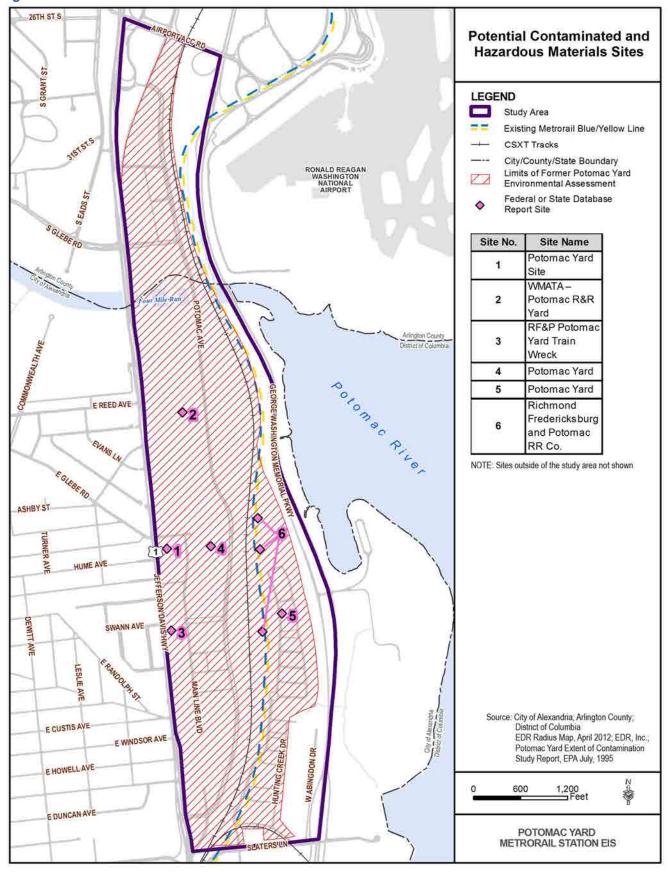
Due to the multiple historic federal and state databases searched during the Phase I ESA, and multiple addresses utilized in the database records for Potomac Yard, multiple addresses are listed for reports at the Potomac Yard on **Table 3-2**. Clarification is provided in the description of **Table 3-2**, where available.

Table 3-2: Federal and State Database Regulatory Database Report for the Study Area

Map ID	: Federal and State Database Regulatory Database Report for the Study Area					
No.	Site Name	Address	Database	Site ID	Description	
	Potomac Yard Site	2900 Jefferson Davis Highway, Alexandria, VA	ICIS	03-2004-0173 03-1997-0263	CERCLA Agreement For Cost Recovery. Status: closed. CERCLA 106 Administrative Order for Response Action/Immediate Hazard	
			FINDS	110010717055	Status: closed. FINDS provides a single point of access for sites regulated or monitored by the USEPA. Status: closed. Note: This database report refers to site wide EPA regulated CERCLA remedial activities detailed in Section 5.0.	
2	WMATA – Potomac R&R Yard	3601 Jefferson Davis Highway, Alexandria, VA	VA TIER 2	S110070052	Sulfuric acid and mineral oil. Status: Unknown.	
3	Richmond Fredericks- burg & Potomac	2500 Block Jefferson Davis Highway, Alexandria, VA	VA LUST	89-0460 90-0555	Release date: 10/28/1988. Closed date: 6/23/1995. Release date: 1/30/1990. Closed date: 5/11/2000.	
	Potomac Yard Train Wreck			90-0955 91-1566	Release date: 1/30/1990. Closed date: 1/25/2001. Release date: 4/24/1991.	
			LTANKS	19993399	Closed date: 10/25/1995. Reported: 1/6/1999. Status: closed. Note: This report database refers to VQEQ regulated petroleum remedial actions detailed in Section 5.0.	
4	Potomac Yard	2801 Jefferson Davis Highway, Alexandria, VA	VA UST	3012524	Multiple USTs removed from the ground Status: closed. Note: This report refers to VQEQ regulated actions at the Former Central Operations Area detailed in Section 5.0.	
5	Potomac Yard	Town of Slaters Village,	VA LUST	98-3508	Release date: 7/10/1997. Closed date: 3/9/1998.	
		Alexandria, VA	LTANKS	19953508	Reported: 7/10/1997. Status: closed.	
Compar	Railroad Company	Potomac Yard, Alexandria, VA	CERCLIS	0303314	Three retention ponds for spent oil, grease and water from Site. Status: closed.	
	Potomac Yard		RCRA- NonGen	VAD020312013	No violations found.	
			FINDS	110009315570	FINDS provides a single point of access for sites regulated or monitored by the USEPA. Note: This report refers to EPA CERCLA remedial activities at Former oil/water Retention Ponds detailed in Section 5.0.	

Source: Environmental Data Resources Inc. Report, U.S. Route 1, Jefferson Davis Highway, Alexandria, VA, dated April 3, 2012; and Historical Aerial Photographs, 1949 – 2002.

Figure 3-1: Potential Contaminated and Hazardous Materials Sites



4.0 FORMER POTOMAC YARD SITE OPERATIONS AND POTENTIAL RECS

This section describes the former Potomac Yard site operations and the potential RECs reported within each area of the former rail yard. Section 5.0 summarizes the remedial actions taken at RECs within each area of the former Potomac Yard as documented in available referenced reports.

Potomac Yard is a former rail yard, which was operated by the Richmond Fredericksburg and Potomac (RF&P) railroad from approximately 1906 to 1990. Historic operations at the Site were characterized by reports obtained from the USEPA CERCLA Administrative Record, VDEQ and the City of Alexandria Office of Environmental Quality. The 1995 Extent of Contamination Study (ECS) completed for the entire Potomac Yard by Environmental Technology of North America, Inc., (ETI) in 1995, is the primary source of historic site operations information.

The following discussion summarizes the findings and is organized according to seven former distinctive "Sub-Areas" of Potomac Yard, as designated based on past rail yard activities. These former Sub-Areas include the North Yard Tail, North Yard, Central Operations Area, South Yard, South Yard Tail, Potomac Greens, and Intermodal Area. The former Sub-Areas at Potomac Yard are shown on **Figure 4-1**.

4.1 North Yard Tail

The North Yard Tail was situated at the northernmost boundary of Potomac Yard. This area is bounded by Four Mile Run on the south, Crystal City on the north, U.S. Route 1 on the west, and the Metrorail Blue/Yellow Line and the National Airport on the east. Located west of the Site is the WMATA bus maintenance and repair facility which has been in service since the 1930s. Various light industries and businesses are also located along the western side of U.S. Route 1.

The North Yard Tail consisted mainly of railroad switching tracks, which narrowed to the north and merged into five main rail lines near the northern terminus of the Site. A previous Environmental Assessment Report of the northern portion of the Potomac Yard site identified a lube oil tank and switch air compressor building (ETI, 1995). Small aboveground storage tanks (ASTs) with a 250-gallon capacity were also present and were used to store fuel for de-icing switches, fueling, and/or heating track signal buildings.

4.2 North Yard

The North Yard was the area located south of Four Mile Run, east of U.S. Route 1, west of the Metrorail Blue/Yellow Line, and north of the southbound hump parking lot (see **Figure 4-1**). The North Yard contained railroad tracks, a rail car maintenance shop, and other buildings used for storage and maintenance. Solvents to remove oil and grease from building floors were reportedly used in maintenance buildings. Other buildings in this area included an air compressor building and a waste oil storage building.

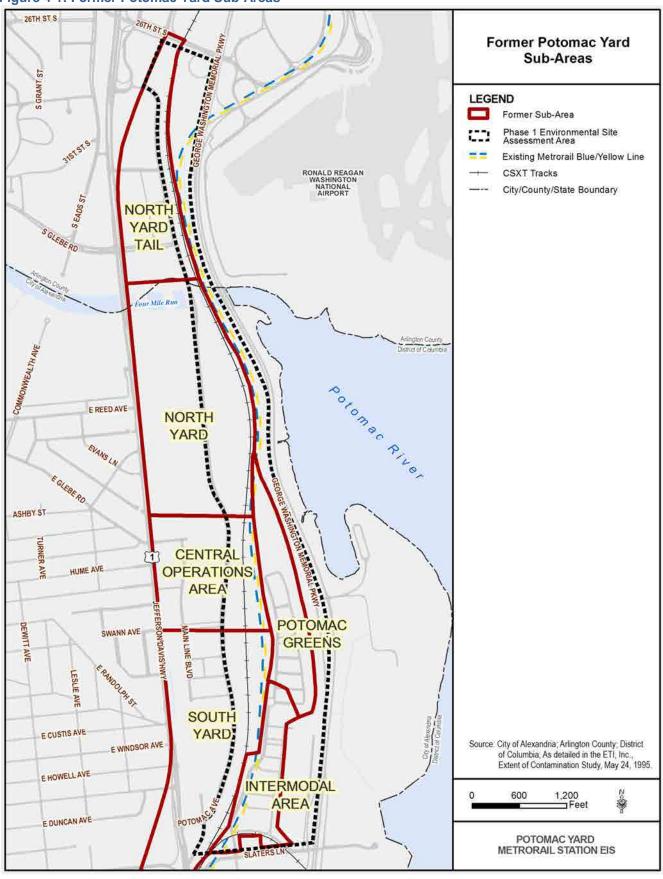
This general area also comprised the former Electric Locomotive Service Yard where minor repairs, service, and maintenance of the electric locomotives were performed. An electrical switching substation was also formerly located north of the car shop and immediately south of Four Mile Run. The locations of former storage tanks and fuel lines can be referenced in the ECS 1995 Report, **Figures 2-2** and **2-3** (*ETI*, 1995).

A concrete oil/water separator was installed northwest of and adjacent to the southbound hump area as part of an oil-collection system. This separator collected oils that accumulated as a result of automatic oiling operations on the railroad cars. The separator was installed in the late 1970s or early 1980s and was removed by RF&P in 1994 (ETI, 1995).

4.3 Central Operations Area

The former Central Operations Area was bordered by U.S. Route 1 to the west and the Metrorail Blue/Yellow Line to the east and extends south to Swann Avenue and north to the northern edge of a parking lot (see **Figure 4-1**). The Central Operations Area covered the portion of the rail yard where the majority of the former rail yard buildings were located and most refueling operations took place.

Figure 4-1: Former Potomac Yard Sub-Areas



A 105-foot locomotive turntable and roundhouse area were located at the Central Operations Area. The turntable was excavated and removed in 1994. This area was used to service, maintain, clean, and repair "yard" locomotives used on site. Just west of the main turntable, an 80-foot turntable was used until the 1930s or 1940s before being backfilled and subsequently uncovered during downsizing activities in 1993. Excavation of the turntable led to the discovery of an underground storage tank (UST) which held 30 gallons of oil containing 231 milligrams per liter (mg/l) of polychlorinated biphenyls (PCBs). The tank, its contents, and the smaller turntable were removed and disposed of offsite by RF&P in 1994 (*ETI*, 1995).

The refueling area consisted of a minimum of eight underground storage tanks (USTs) located in and around the Central Operations Area, four large 25,000-gallon ASTs, and one smaller AST of approximately 10,000 to 15,000 gallons. All the USTs and ASTs were removed by RF&P as a part of the CERCLA and VDEQ remedial activities discussed in Section 5.0.

A transformer and equipment storage area were located south of the 105-foot turntable. This storage area contained two transformer shells, three unused capacitors, several cable spools, and various other pieces of unused track equipment. An electrical substation was located immediately south of the transformer and equipment storage area. All remnants of this substation, as well as a second substation near Four Mile Run, have been removed. More than 80 electrical transformers were present in these substations and in other locations throughout the former rail yard. In 1984, RF&P removed all regulated transformers from the rail yard property. In 1992 and 1993, RF&P inventoried and removed 85 remaining non-essential transformers from the rail yard (*ETI*, 1995).

4.4 South Yard

The former South Yard extended from Swann Avenue to the Monroe Avenue Bridge, located between U.S. Route 1 to the west and the Metrorail Blue/Yellow Line to the east (see **Figure 3-1**). Beginning in the 1950s, the South Yard was used for southbound classification and northbound receiving of freight rail cars. A rail car oil tank was located near the center of the South Yard.

4.5 South Yard Tail

The former South Yard Tail area was defined as the area bounded by Braddock Road to the south, the Monroe Avenue Bridge to the north, and the Metrorail Blue/Yellow Line to the east (south of the **Figure 4-1** map extent). The South Yard Tail consisted mainly of railroad switching tracks, which narrowed to the south and merged into four main rail lines near the southern terminus of the Site. The area is surrounded by residential areas and businesses.

4.6 Potomac Greens

Potomac Greens, at the time of rail yard site operations, consisted of approximately 38 acres in the area located to the east of the Metrorail Blue/Yellow Line and west of GWMP (see **Figure 4-1**). At that time, Potomac Greens occupied the lowest elevation of Potomac Yard. Potomac Greens was not used for rail operations. However, three former oil/water separator ponds, a fly ash deposition area, and a dredge spoils deposition area were located within the Potomac Greens Sub-Area and are further detailed below.

4.6.1 Oil/Water Separator Ponds

Three oil/water separator ponds were located in the north, middle, and south portions of Potomac Greens which collected surface water containing grease and spilled fuel oil from refueling and maintenance operations in the Central Operations Area, North Yard, and South Yard Sub-Areas. These ponds discharged into the Potomac River through drainage channels. During 1977 and 1978, the three oil/water separator ponds were moved from their original locations to clear a path for the Metrorail Yellow Line. The original oil/water separator ponds were then filled with soil and fly ash. On the downstream side of each pond, wooden baffles served to retain the floating oil and grease in the ponds while allowing water to discharge. Oil and grease were periodically removed and properly disposed off-site (ETI, 1995).

After 1990, when locomotive servicing operations were discontinued at the rail yard, the three oil/water separator ponds collected only stormwater runoff from portions of the rail yard and from the City Of Alexandria (across U.S. Route 1) to the west. During 1993, RF&P removed the three ponds from Potomac Greens. Prior to pond removal, RF&P estimated these ponds to be approximately 2,570 square feet (Middle Pond), 3,200 square feet (North Pond), and 3,370 square feet (South Pond) in area and 5 to 8 feet deep. The water was pumped from each pond and the sediments were solidified with kiln dust and disposed off-site. The soil beneath the ponds was excavated

until the concentration of total petroleum hydrocarbons (TPH) in the underlying soil was less than 100 milligrams per kilogram (mg/kg). The contaminated soil was then properly disposed of offsite. The areas once occupied by the ponds were subsequently refilled under the oversight of the VDEQ (*Roy F. Weston*, 1996).

4.6.2 Dredge Spoils Area

Dredge spoils from the mouth of Four Mile Run were placed at the Potomac Greens Sub-Area by the U.S. Army Corps of Engineers (USACE) in 1983. The USACE constructed a rectangular impoundment located in the south-central portion of Potomac Greens to contain the dredged material. The spoils were deposited within a 10 to 15 foot-high embankment and distributed in a layer that varied from 1 to 12 feet in thickness. The dredge spoils were removed from the site during the redevelopment of the Potomac Greens Sub-Area.

4.6.3 Fly Ash Deposition Areas

Geotechnical investigations within the Potomac Greens Sub-Area identified a widespread layer of fly ash, 5 to 20 feet thick, deposited throughout Potomac Greens Sub-Area. The source of this fly ash was reported to be Potomac Electric Power Company (PEPCO). Historical aerial photographs indicate most of this fill was deposited between the mid-1950s and 1963 (See Section 3.2). In 1962 and 1963, additional fly ash was deposited in the northern portion of the Potomac Greens Sub-Area. This Fly Ash Deposition Area covered approximately 270 feet by 435 feet and was covered by 6 inches to 1 foot of topsoil and by vegetation. The 270 by 435 foot fly ash disposal area was removed and properly disposed during the redevelopment of the Potomac Greens Sub-Area (ECS, 2002).

4.7 Intermodal Area

The Intermodal Area was bounded to the north by the vegetation line marking the southern border of Potomac Greens. Potomac Crossing residential units lie along its eastern side. The area is bounded to the south by commercial property along Slaters Lane. The western border of this area is marked by the Metrorail Blue/Yellow Line (see **Figure 4-1**).

A W&OD Railroad overpass crossed Potomac Yard in this area and existed from the 1800s until its demolition in 1969. An engine house associated with the W&OD line was located in the southeast portion of the Intermodal Area from the early 1960s until 1990. Previous site assessments could not document specific activities associated with the engine house prior to 1969, but engine houses are typically used for engine repair, maintenance, and storage. From 1969 until its demolition in 1990, the engine house was used for office space and for repairs of trailers. During the same time period, the garage portion of the building was used for sheet metal repair of trailers and tractors (*ETI*, 1995).

5.0 FORMER REMEDIAL ACTIONS AND REPORTS

This section summarizes remedial actions and reports for RECs at Potomac Yard conducted under the 1992 USEPA CERCLA Administrative Order (see Section 5.1). Petroleum cleanup actions for RECs were undertaken accordance with Virginia UST regulations and under the authority of VDEQ, These actions are also described (see Section 5.2). Recent assessments of RECs and risk mitigation measures conducted during redevelopment activities at Potomac Yard are also summarized (see Section 5.3). A summary of the former RECs identified in the previously conducted remedial actions and potentially present within the Phase I ESA area is provided in Section 5.4.

Extensive remedial investigations and reports have been completed for Potomac Yard in compliance with federal, state and local laws. **Appendix G** contains a report log of over 250 environmental assessment reports or remediation documents which were obtained from the USEPA Administrative Record, VDEQ, and the City of Alexandria. **Table 5-1** lists the ten most relevant and extensive documents that have been discussed above and that are frequently referenced below to describe the site regulatory history. A complete reference list is provided in Section 12.0.

Table 5-1: Potomac Yard Remedial Investigations and Reports

Published Date	Report Name
July 21, 1995	Potomac Yard Extent of Contamination Study
October 14, 1995	Potomac Yard Human Health Risk Assessment and On-Site Ecological Risk Assessment
June 19, 1996	Potomac Yard Engineering Evaluation/Cost Analysis
March 20, 1997	Potomac Yard Off-Site Ecological Risk Assessment
November 13, 1998	Potomac Yard Removal Response Action
August 4, 1999	Site Characterization Report Addendum, Potomac Yard, Central Operations Area
October 9, 2000	Potomac Yard Central Operations Area Closure Report for Corrective Action Plan Implementation
February 15, 2011	Site Characterization Report, Potomac Yards Landbay D
February 15, 2011	Site Characterization Report, Potomac Yards Landbay E
October 18, 2011	Remedial Action Plan, Potomac Yards Landbay G

5.1 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

5.1.1 Consent Order (1992)

In September 1992, USEPA and RF&P signed a CERCLA Administrative Order by Consent requiring RF&P to study the extent of contamination at the Potomac Rail Yard. This order also required RF&P to assess the risks that could be posed to people, plants and animals from site contaminants at the former Potomac Yard. USEPA approved the extensive Extent of Contamination Study (ECS) and Human Health and Ecological Risk Assessment (RA) in September and October 1995, respectively. These documents are discussed below.

5.1.2 Extent of Contamination Study (1995)

Pursuant to the requirements of the Administrative Order by Consent, RF&P undertook an extensive investigation of soil, sediment, groundwater, and surface water at Potomac Yard, known as the ECS. Samples of soil, sediment, surface water, and groundwater were collected and analyzed during this investigation from more than 600 sampling points. The analyses of these samples produced more than 83,000 data points that were evaluated. After the work was completed, the ECS was submitted to USEPA in February 1995, subsequently revised and resubmitted at USEPA's direction to take into account the comments of USEPA and other participating agencies, and then approved by USEPA in September 1995. The ECS identified chemical residuals, metals, and petroleum hydrocarbons present on the property.

5.1.3 Human Health and Ecological Risk Assessment (1995)

The primary objective of the 1995 RA was to evaluate potential risks associated with exposure to chemicals at the former Potomac Yard as a result of anticipated redevelopment activities. Chemicals of potential concern (COPC) were identified for each of the six Site Sub-Areas based on the extensive environmental sampling results

presented in the ECS and anticipated development plans at that time. These Sub-Areas included the North Tail, North Yard, Central Operations Area, South Yard, South Tail, and Potomac Greens (see previous **Figure 4-1**).

An analysis of potential exposure pathways was conducted in the RA for each of the six Sub-Areas under current, interim, and future land-use scenarios. The most important receptors identified by the RA were current trespassers and construction workers, on-site and off-site residents, utility workers, landscape workers, and commercial workers for interim and future land-use. Potential inhalation of chemicals present in on-site soil and incidental ingestion of soil were concluded to be the most important routes of potential exposure for quantitative evaluation (*Weinberg Consulting Group, 1995*).

According to the RA, the highest potential exposures would be to construction workers from the potential inhalation and ingestion of dust and potential inhalation of petroleum hydrocarbons in the Central Operations Area. Because the majority of the Site was planned to be paved and/or capped with clean fill during redevelopment, the RA concluded that little potential for exposure to future residents existed (*Weinberg Consulting Group*, 1995).

5.1.4 Off Site Ecological Risk Assessment (1996)

The USEPA also required an Off-Site Ecological Risk Assessment in 1996 to assess potential impacts from site contaminants in areas adjacent to the Site. The pertinent findings of the Off-Site Ecological Risk Assessment showed that site contamination could have led to a lowered abundance and diversity of aquatic and bottom-dwelling species in Four Mile Run and the Potomac River (*Weinberg Consulting Group*, 1997). The Off-Site Ecological Risk Assessment was approved in 1997 by USEPA.

5.1.5 Engineering Evaluation/Cost Analysis (1996)

As a result of the Off-Site Ecological Risk Assessment, USEPA required RF&P to conduct an Engineering Evaluation/Cost Analysis (EE/CA) to study actions to lessen the pollution threats to these ecological receptors. The EE/CA was approved by USEPA in June 1996. The scope of the EE/CA was focused on the North Yard Tail, North Yard, and Potomac Greens areas of Potomac Yard because the drainage outfalls from Potomac Yard to Four Mile Run and the Potomac River were located in these areas. The scope of the EE/CA was to provide interim solutions within each of the drainage pathways until the areas had been re-developed and the migration pathways (outfalls) were removed or permanently closed. As directed by USEPA, and approved in the EE/CA and work plans, RF&P conducted a CERCLA Removal Action to close the remaining outfalls to Four Mile Run, eliminate the oil/water separator ponds and ditches, and remove sediments from the remaining outfall to the Potomac River from Potomac Greens Sub-Area.

5.1.6 CERCLA Removal Action (1999)

In a letter dated March 25, 1999, USEPA deemed the CERCLA Removal Action complete, with the exception of ongoing quarterly stormwater discharge monitoring activities that were later completed in August 1999. The results of the stormwater discharge monitoring activities indicated that no stormwater discharges occurred from the closed outfalls under the Removal Action to Four Mile Run or the Potomac River, and that the concentrations of site-related COPCs discharging from the remaining permitted outfalls were well below USEPA-approved limits. USEPA declared the Potomac Yard CERCLA site closed in accordance with all applicable regulatory requirements in a letter dated October 20, 1999 (see **Appendix F**).

5.2 VDEQ Corrective Action Plan

Concurrent with the USEPA CERCLA studies and removal actions, petroleum-saturated soils were observed in the subsurface soils and on groundwater at the former Central Operations Area. A Corrective Action Plan (CAP) was prepared to satisfy petroleum cleanup requirements under the regulatory authority of VDEQ in accordance with Virginia UST regulations.

As per the VDEQ approved CAP, an area encompassing approximately 1.23 acres was excavated to an average depth of 12 feet and a total of 35,341 tons of petroleum-impacted soil was transported off site for proper treatment and disposal. Additional site work included removal and disposal of 7,695 gallons of petroleum product and water from groundwater recovery wells, and 400 gallons of petroleum-impacted sludge. The excavation was backfilled with 23,880 cubic yards of available onsite soils. Analytical results of soil samples collected from the limits of the excavation indicated that soil did not exhibit TPH concentrations above the VDEQ approved remedial end point of 4,400 mg/Kg (*Earth Tech*, 2000).

The CAP for the removal of petroleum-saturated soils in the Central Operations Area was completed in December 1999. Regulatory site closure for the Central Operations Area was granted by VDEQ on October 16, 2000 (see

Appendix F). No other areas in Potomac Yard were required by VDEQ to implement corrective action for petroleum-impacted soils.

5.3 Potomac Yard Landbay Environmental Assessment Reports

Following USEPA CERCLA and VDEQ regulatory closure in 1999, Sub-Areas of former Potomac Yard Site (at this time conceptually referred to as "Landbays") were sold and redeveloped, or are currently planned to be redeveloped, into a mixed use development consisting of office, residential, retail, and hotel buildings. As part of Landbay development planning activities, property owners have summarized the environmental conditions, conducted additional voluntary site assessment, and developed site construction management plans to ensure compliance with Virginia solid waste management regulations and City of Alexandria planning requirements. The Potomac Yard Landbay concept development is shown on **Figure 5-1**.

Multiple assessment reports conducted for individual Landbay development are available at the City of Alexandria and/or the VDEQ Voluntary Remediation Program (VRP) office locations, including reports for adjacent Landbay D, Landbay E, and Landbay G, which are in proximity to the Build Alternatives. Based on the conclusions of the Landbay assessments, much of the shallow fill that was used to level the former rail yard appears to have contained petroleum products and/or heavy metals. Cinder ballast, the bottom ash left over from coal burning, was used as fill material throughout large portions of the former Potomac Yard. Cinder ballast was found to contain elevated levels of lead and arsenic. There is no definable pattern to the use of cinder ballast as fill; it was used to fill in holes and depressions along with other fill, resulting in cinder ballast interspersed with other fill material across the site (*ECS*, 2010).

Site management work plans or equivalent plans detailing risk management methods for potential subsurface contaminants encountered during redevelopment were prepared for Landbay D, Landbay E, and Landbay G. The work plans have included recommendations for removal and management of contaminated soils and placement of a clean cap over impacted areas during redevelopment activities. Additional risk mitigation measures and health and safety practices are implemented as needed, to maintain a level of no significant risk and address residual contamination. A brief summary of the Landbay report conclusions and recommendations for Landbay D, Landbay E, and Landbay G are provided below.

5.3.1 Landbay D

A site characterization was conducted at Landbay D in 2011. A total of ten soil borings were advanced across the site to depths of 4 to 20 feet bgs. Soil samples were collected and analyzed for Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRO), PCBs, and metals. Soil analysis indicated TPH-DRO greater than 50 mg/kg in six of twenty samples taken. Lead exceeded VDEQ Tier II Risk Based Screening Level (RBSL) for industrial/commercial property reuse in two of twenty samples and silver exceeded this level in ten of twenty samples. One soil boring (B-8), located south of the proposed Metrorail Station Alternative D indicated a Toxicity Characterization Leaching Procedure (TCLP) analysis result of 5.4 mg/L for lead at 4 feet bgs. The TCLP lead result is slightly above USEPA's hazardous soil designation level of 5 mg/L for lead. Perched groundwater conditions were encountered at 4 to 6 feet bgs. The *Site Characterization Report* (SCR) recommended that the ground surface be capped with 2 feet of clean soil surface as a way of encapsulating the contaminated soil to prevent exposure (*ECS*, 2011).

5.3.2 Landbay E

Landbay E consisted of vacant land and three bridges that cross Four Mile Run in the northern portion of the project study area. Four soil borings were conducted at the property for a site characterization in 2011. Soil samples were collected and submitted for TPH-DRO, PCBs, Semi-Volatile Organic Compounds (SVOCs), and metals. Based on the laboratory analysis, multiple SVOCs and silver were detected above the VDEQ Tier II RBSL for commercial/industrial land use in soil samples collected from the upper two feet of soil. The SCR recommended the ground surface be capped with two feet of clean soil as a way of encapsulating the contaminated soil and limiting direct exposure to the contaminated soil.

5.3.3 Landbay G

Landbay G consists of the majority of the former Central Operations Area. The Central Operations Area CAP for the removal of petroleum-saturated soils and petroleum impacted groundwater was completed in December 1999. Regulatory site closure for the Central Operations Area was granted by VDEQ on October 16, 2000 (see **Appendix F**).

26TH ST S 26TH ST **Potomac Yard Landbay** Redevelopment Designations LEGEND Landbays Existing Metrorail Blue/Yellow Line 3157575 City/County/State Boundary POTOMAC AVE SGLEBERD Arlington Potomac Yard LANDBAY E-Four Mile Run Four Mile Run EFFERSON DAVIS HWY E REED AVE GEORGE WASHINGTON MEMORIAL PKNY LANDBAY F-Potomac **Yard Center** EVANSIN ASHBY ST LANDBAY G-LANDBAY K-Town Center Potomac Yard Park HUME AVE LANDBAY H-LANDBAY A-Swann Potomac Greens Neighborhood LANDBAY D-Rail Park LESLIE AVE LANDBAY I-Custis Neighborhood E CUSTIS AVE E WINDSOR AVE Source: City of Alexandria; Arlington County; LANDBAY K-District of Columbia LANDBAY J-Potomac Yard Park EHOWELLAVE Howell Neighborhood 600 1,200 Feet LANDBAY C-E DUNCAN AVE Potomac Plaza LANDBAY K-POTOMAC YARD Potomac Yard Park SLATERS LN METRORAIL STATION EIS

Figure 5-1: Potomac Yard Landbay Redevelopment Designations

Two subsurface environmental investigations have been conducted at Landbay G following the VDEQ corrective action described above. The first of these was completed in March 2004 and the second investigation was completed in December 2006. Both of these studies were completed for the proposed redevelopment of Landbay G. The results of these studies are discussed in detail in Section 5.2 of this report and briefly summarized below.

Soil samples from the 2004 and 2006 Landbay G investigations were tested for metals, total petroleum hydrocarbons-gasoline range organics (TPH-GRO), TPH-DRO, VOCs, and PCBs. No metals, PCBs or VOCs were found above USEPA Region III human health RBSLs, with the exception of arsenic, chromium, lead, selenium and naphthalene (ECS, 2010). The TPH-GRO concentrations in soil ranged up to 284 mg/kg and TPH-DRO concentrations ranged up to 18,800 mg/kg. The groundwater sampling conducted at Landbay G in 2004 and 2006 detected TPH-DRO concentrations up to 1,880 mg/L and TPH-GRO concentrations up to 12.5 mg/L (ECS, 2010).

A Remedial Action Plan, dated October 18, 2011, was developed for the property and submitted to the Virginia VRP for approval. The concepts proposed for risk mitigation at Landbay G include groundwater use restriction, a two-foot clean soil cap or paved cover, over-excavated utility corridors, a soil management plan, a construction worker health and safety plan, and a vapor intrusion study and/or vapor mitigation plan. Each of these options is to be applied as necessary at Landbay G.

Appendix G contains a report log of over 250 environmental assessment reports or remediation documents which were obtained from the USEPA Administrative Record, the VDEQ, and from the City of Alexandria. Table 5-1 lists ten of the more relevant or extensive documents that have been discussed above and are frequently referenced to describe the site regulatory history. All of the documents used in this report are referenced in Section 12.

5.4 Summary of Former and Potential RECs

This section describes former RECs which may potentially be within the study area. These RECs were identified from the prior remedial activities completed for the regulatory requirements of USEPA, VDEQ or City of Alexandria described in the previous section. RECs are shown in **Figure 5-2**.

5.4.1 Ballast

Based upon multiple environmental assessment reports conducted across the former Potomac Yard, much of the shallow fill used to level the rail yard appears to have been cinder ballast which potentially contained elevated levels of petroleum products and/or elevated concentrations of metals. Cinder ballast, the bottom ash left over from coal burning, was used as fill material throughout large portions of the former Potomac Yard. Cinder ballast commonly contains elevated levels of arsenic, lead, and copper. The distribution of cinder ballast as fill is not present in a definable pattern; the cinder ballast was used to fill in holes and depressions along with other fill, resulting in ballast interspersed with other types of fill across the site.

Contaminants found in the ballast fill are as follows:

- Concentrations of metals in previous laboratory analysis of cinder ballast vary widely over the site. The metals
 most commonly associated with cinder ballast, based on the 1995 ECS report were: arsenic (average
 concentration of 369 mg/kg; lead (average concentration of 210 mg/kg); and copper (average concentration of
 112 mg/kg).
- Polynuclear aromatic hydrocarbon (PAH) average concentrations in cinder ballast ranged from 0.410 to 1.675 mg/kg. PCBs were also detected in cinder ballast and soil samples.
- The PCB "Aroclor 1260" was detected in 15 percent of soil samples at an average concentration of 0.278 mg/kg.
- Several common pesticides were detected sporadically. The most common pesticide detected was dichlorodiphenyltrichloroethane (DDT) (11 percent of soil samples) at an average concentration of 0.047 mg/kg.
- 21 VOCs were detected in soil samples. The most wide-spread volatile organic contaminant (VOC) was chloroform, found in 15 percent of soil samples, at an average concentration of 0.0036 mg/kg. Only trichloroethylene (TCE), found in 4 percent of soil samples, exceeded 1 mg/kg in any sample, with a maximum concentration of 3.510 mg/kg detected at the Central Operations Area refueling area.
- Petroleum hydrocarbons, primarily diesel fuel, were found in 101 of 318 soil and ballast samples throughout the former Potomac Yard. The highest concentration detected (12,600 mg/kg) was found in the Central Operations Area refueling area, where petroleum-saturated soils were identified and later removed under VDEQ direction.

5.4.2 Former Oil/Water Separator Ponds

Three former oil/water separator ponds were located in the north, middle, and south portions of Potomac Greens Sub-Area and collected surface water containing grease and spilled fuel oil from refueling and maintenance operations in the Central Operations Area, North Yard, and South Yard areas. During 1977 and 1978, the three ponds were moved slightly from their original locations, from east to west, to clear a path for the Metrorail Blue/Yellow Line (*ETI*, 1995 **Figure 5-2**). The original oil/water separator ponds were then filled with soil and fly ash (*ETI*, 1995).

During 1993, the three ponds were removed from Potomac Greens Sub-Area under direction of the USEPA-approved EE/CA and *Removal Response Action Plan*. The soil beneath the ponds was excavated until the concentration of TPH in the underlying soil was less than 100 mg/kg. Contaminated soil and pond sludge was then properly disposed offsite. The areas once occupied by the ponds were subsequently refilled with clean soil and seeded. The locations of the three former ponds are shown on **Figure 5-2**.

5.4.3 Potential Fly Ash Area

According to previous geotechnical investigations (*Dames and Moore*, 1986) and the 1995 ECS, a potential widespread layer of fly ash 5 to 20 feet thick was deposited throughout the Potomac Greens Sub-Area between the mid-1950s and 1963. In 1962 and 1963, additional fly ash was potentially deposited in an area approximately 150 feet north of a Dredge Spoils Area (1995 *ECS*, **Figure 5-2**). This Fly Ash Disposal Area was approximately 117 square feet (270 feet by 435 feet) and was covered by 6 inches to 1 foot of topsoil and by vegetation. Based on the ECS results, boring logs (*Dames and Moore*, 1986) and historical aerial photographs (**Appendix D**), the potential limits of fly ash within the Site is shown on **Figure 5-2**.

The previous fly ash analysis results, presented in the 1995 *ECS*, indicate all metals analyzed for by the laboratory contained detectable concentrations. The metals arsenic, lead, and copper were detected most frequently. Arsenic was detected at an average concentration of 106 mg/kg, lead was detected at an average concentration of 34 mg/kg, and copper was detected at an average concentration of 70 mg/kg.

Soil borings completed for the 2011 Landbay D SCR, within the potential fly ash disposal area measured soil concentrations of TPH-DRO greater than 50 mg/kg, with silver and lead above the VDEQ Tier II RBSL for industrial/commercial property reuse. One soil boring (B-8), located south of Alternative D indicated a TCLP analysis result of 5.4 mg/L for lead at 4 feet bgs. The TCLP lead result is slightly above EPA's hazardous soil designation level of 5 mg/L for lead (*ECS*, 2011a).

Central Operations Area

As part of the VDEQ approved CAP for petroleum contamination at the Central Operations Area, a total of 35,342 tons of petroleum-impacted soil was excavated and transported off site for treatment and disposal in 1999. Additional site work included removal and disposal of 7,695 gallons of petroleum product and water from groundwater recovery wells, and 400 gallons of petroleum-impacted sludge. Post-excavation analytical results of soil samples collected from the limits of the CAP excavation indicated soil did not exhibit TPH concentrations above the VDEQ approved remedial end point of 4,400 mg/kg (*Earth Tech*, 2000). The approximate area of former petroleum-impacted soil is shown on **Figure 5-2**.

The CAP for the removal of petroleum-saturated soils and petroleum impacted groundwater in the Central Operations Area of Potomac Yard was completed in December 1999. Regulatory site closure for the Central Operations Area was granted by the VDEQ on October 16, 2000 (see **Appendix F**). No other areas in Potomac Yard were required by the VDEQ to implement corrective action for petroleum-impacted soils.

Two subsurface environmental investigations have been conducted at the Central Operations Area following the VDEQ corrective action described above. The first of these was completed at Landbay G in March 2004 and the second investigation at Landbay G was completed in December 2006. The 2006 investigation was completed to determine the vertical extent of contamination detected during the 2004 investigation. Both of these studies were completed for the proposed redevelopment of Landbay G. A brief summary of these studies is provided below as abstracted from a 2010 SCR for Landbay G (*ECS*, 2010).

Soil samples from the 2004 and 2006 Landbay G investigations were tested for metals, TPH-GRO, TPH-DRO, VOCs, and PCBs. No metals, PCBs or VOCs were found above USEPA Region III human health risk based screening level standards, with the exception of arsenic, chromium, lead, selenium and naphthalene (ECS, 2010). The detected arsenic levels in soil were elevated up to 479 mg/kg. The former studies concluded that elevated

arsenic concentrations at the Potomac Yard property are typically associated with ballast material, and it is likely that arsenic was derived from ballast material that was used as fill at Landbay G. The TPH-GRO concentrations in the Landbay G soil samples ranged up to 284 mg/kg and TPH-DRO concentrations ranged up to 18,800 mg/kg (ECS, 2010).

Based on the laboratory results from the previous 2004 study, and subsurface conditions observed during drilling of the supplemental 2006 soil borings, materials above 9 feet in depth were assumed to be contaminated to some degree. Of the ten samples collected from 9 to 12 feet bgs, only one, GP-5, contained TPH above detection limits. All samples from 20 to 40 feet bgs contained no detectable TPH contamination (*ECS*, 2010).

5.4.4 Groundwater

The 1995 ECS detected sporadic contaminants in the ground water, with little correlation between contaminants detected in upgradient wells and those detected in nearby downgradient wells at the site. There were two exceptions: a groundwater plume of petroleum saturation in the former refueling area of the Central Operations Area, and an area containing TCE, a VOC, with concentrations ranging from 140 micrograms per liter (µg/L) to 3,400 µg/L, also at the former Central Operations Area refueling area.

The historic 1995 ECS investigation measured groundwater metal concentrations that are most strongly associated with cinder ballast, arsenic, copper, and lead. The site-wide average groundwater concentrations were 218 μ g/L for arsenic, 206 μ g/L for lead, and 204 μ g/L for copper.

More recent groundwater sampling conducted at Landbay G in 2004 and 2006 detected TPH-DRO concentrations up to 1,880 mg/L and TPH-DRO concentrations up to 12.5 mgL. The direction of groundwater flow from Landbay G is east, toward the Potomac River.

6.0 EXISTING CONDITIONS

6.1 Landbay and Developer Commitments

Former RECs within Potomac Yard have either been remediated in accordance with USEPA or VDEQ approvals or have been mitigated by risk management methods during subsequent redevelopment. Risk management methods of contaminants encountered during redevelopment activities have included removal of contaminated soils and the implementation of risk mitigation measures.

Risk mitigation measures, such as soil management and construction health and safety practices are implemented by Landbay developers, as needed, during redevelopment activities to maintain a level of no significant risk to site workers and address residual contamination. Site Management Work Plans or equivalent plans have been requested by the City of Alexandria in recent Landbay redevelopment to document such measures. The level of mitigation and remediation which could be required for the project is dependent upon the degree of potential contamination, how it relates to redevelopment, human and environmental risk factors, and exposure pathways.

Prior Site Management Work Plans have included following elements: construction worker health and safety plans, soil excavation management, dust control, construction dewatering plans, clean cap over contaminants left in place, vapor barrier or mitigation measures, subsurface use and ventilation, over excavation of subsurface utilities in impacted soils, and groundwater use restrictions.

Deed restrictions on land use, such as a prohibition on installation of water wells, have also been requested at redeveloped landbays.

6.2 Former Potential Areas of Concern Current Status

6.2.1 Ballast

Much of the ballast material at the former Potomac Yard has been removed from areas no longer occupied by track during on-going redevelopment activities. However, ballast can still be sporadically encountered in previously undisturbed areas and/or at undisturbed depths. Ballast at the former Potomac Yard can commonly contain elevated levels of arsenic, lead, and copper, and is a potential REC. Based on previous studies conducted across the Potomac Yard, the ballast is usually encountered within the top 12 feet bgs (*ECS*, 2010).

6.2.2 Former Oil/Water Separator Ponds

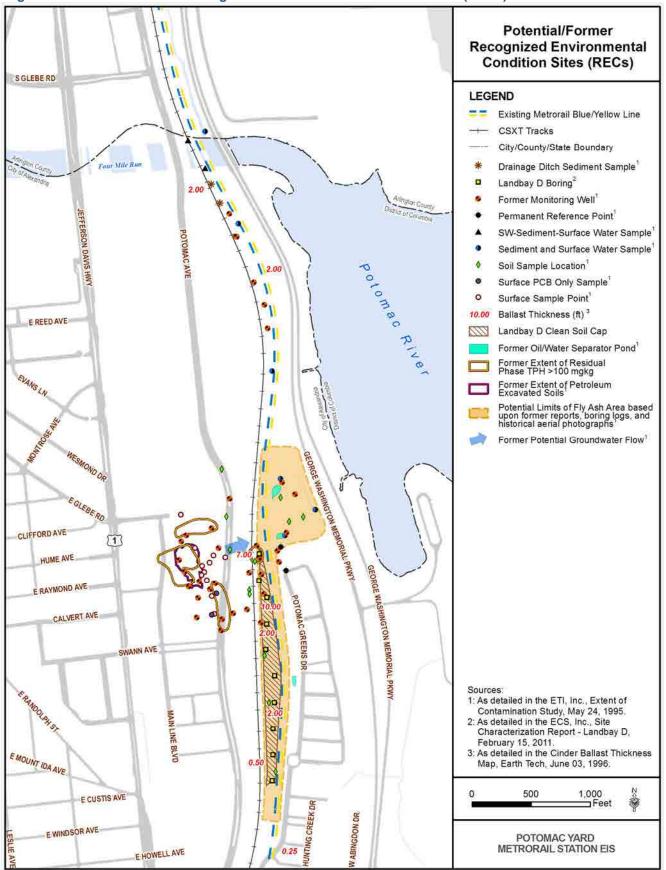
The three former oil/water separator ponds in the Potomac Greens area were excavated and backfilled in 1993. As discussed in Section 5.4.2, the oil/water separator ponds historically collected surface water containing grease and spilled fuel oil from refueling and maintenance operations at the former Potomac Yard Central Operations Area. There is potential for residual petroleum impacted soil and groundwater to remain in undisturbed subsurface areas at and near the former oil/water separator pond locations.

6.2.3 Potential Fly Ash Areas

Based on the 1995 *ECS* results, previous geotechnical boring logs (*Dames and Moore*, 1986), and historical aerial photographs (**Appendix D**), the potential limits of fly ash within the Site are shown in **Figure 6-1**.

Previous laboratory analysis of fly ash from the study area detected arsenic at an average concentration of 106 mg/kg, lead was detected at an average concentration of 34 mg/kg, and copper was detected at an average concentration of 70 mg/kg (*ETI*, 1995). A recent soil boring conducted south of Build Alternative D within the extent of fly ash, indicated a TCLP result of 5.4 mg/L for lead at 4 feet bgs. The TCLP lead result is slightly above USEPA's hazardous soil designation level of 5 mg/L for lead (*ECS*, 2011a).

Figure 6-1: Potential/Former Recognized Environmental Condition Sites (RECs)



6.2.4 Former Central Operating Area Petroleum Hydrocarbons

The VDEQ approved CAP for the removal of petroleum-saturated soils and petroleum impacted groundwater in the Central Operations Area of Potomac Yard was completed in December 1999. Regulatory site closure for the Central Operations Area was granted by VDEQ on October 16, 2000 (see **Appendix F**).

Based on the elevated levels of petroleum, TPH and metals identified in soils and groundwater during Landbay G (former Central Operations Area) environmental site assessment in 2004 and 2006, Landbay G was entered into the Virginia VRP and was assigned VRP Site Number 00548. A *Response Action Plan* (RAP) that details risk mitigation management methods during future construction at Landbay G was submitted and approved by the VDEQ in 2009 (ECS, 2009).

Landbay G is currently undeveloped. The property contains a large stockpile of soil imported from the northern portion of the former Potomac Yard. As approved by the VRP program, the soils in the stockpile are being treated with lime and spread out on various portions of Landbay G property. There are currently no buildings or permanent structures on Landbay G (ECS, 2010).

The former Central Operations Area (Landbay G) is potentially hydraulically up-gradient of Build Alternative B, and to a lesser extent the features of Build Alternative A and Build Alternative D (e.g., pedestrian bridge structures). There is potential for contamination to remain and/or to have migrated toward the Build Alternative locations.

6.3 Groundwater

Site-wide groundwater data from the 1995 ECS indicates contaminants were detected sporadically in ground water, with little correlation between chemicals detected in up-gradient wells and those detected in nearby downgradient wells at the site. The 1995 ECS investigation focused groundwater analysis on the metals most commonly associated with ballast; arsenic, copper, and lead. The site-wide average groundwater concentrations were 218 μ g/L for arsenic, 206 μ g/L for lead, and 204 μ g/L for copper (*ETI*, 1995).

Recent groundwater sampling conducted at Landbay G in 2004 and 2006 detected concentrations of 1,880 mg/L TPH-DRO and 12.5 mg/L of TPH-DRO respectively (*ECS*, 2010). The historic reported direction of groundwater flow from the former Central Operations Area (Landbay G) is to the east, towards the approximate locations of Build Alternatives A, B, and D.

6.4 Potential Data Gaps

Regulatory contacts at VDEQ and the City of Alexandria Office of Environmental Quality have assisted with the Draft EIS process by providing background information and available environmental assessment reports for Potomac Yard. However, environmental assessment, site characterization, and risk mitigation assessment prior to redevelopment at individual landbays at Potomac Yard is ongoing. Recent or future environmental data reported for an individual Landbay in proximity of the Metrorail project boundary may not have been available at the time of this report.

Potential data gaps could possibly be created by future refinement of the Build Alternative locations and proposed construction techniques. For example, the potential extent of excavation of unsuitable soils prescribed by future geotechnical borings, the extent of fill required, or use of alternative foundation methods may affect the magnitude of potential construction effects of hazardous materials at the project site.

7.0 POTENTIAL EFFECTS

7.1 Permanent Effects

7.1.1 No Build Alternative

The No Build Alternative would have no permanent effects. The No Build Alternative would not disturb potential residual contaminants at RECs. The potential residual contaminants at RECs under current land use conditions do not represent a human health or ecological risk and would remain in place until addressed in the future redevelopment at Potomac Yard.

7.1.2 Build Alternatives

RECs within the limits of disturbance or limits of construction of each Build Alternative are shown in **Figure 7-1** (Build Alternative A), **Figure 7-2** (Build Alternative B), and **Figures 7-3 to 7-5** (Build Alternative D).

7.1.3 Build Alternative A

Build Alternative A would not result in long-term or permanent adverse effects related to RECs identified within the study area due to risk mitigation and engineering controls and measures that would be undertaken.

Build Alternative A and portions of the track alignment may be constructed on soils and fill material with contaminated ballast and fly ash material documented by prior environmental investigations. In addition, Alternative A has the potential to encounter migrated or residual contamination in soil and groundwater from the former Central Operations Area. Potential effects to these RECs would be due to temporary construction activities (discussed in more detail in Section 7.2) and would not be considered permanent impacts.

Major fill or excavation is not anticipated to be required for the construction of this alternative, as the Metrorail tracks would follow their existing alignment and the platforms would be built at-grade. Drilled shafts or driven piles would be used as structural foundations for the station and pedestrian bridge structures. All soil and fill material excavated at the site would be properly disposed off-site and replaced with clean fill.

No significant below-grade structures at this time are proposed for Build Alternative A. Subsurface features would be limited to underground utilities, vaults, or shallow excavations needed to facilitate the installation of the drilled shafts or driven piles. Therefore, little to no dewatering of construction excavations would be anticipated for Build Alternative A.

7.1.4 Build Alternative B

Build Alternative B would not result in long-term or permanent adverse effects related to RECs identified within the study area due to risk mitigation and engineering controls and measures that would be undertaken.

The limits of disturbance and limits of construction for Build Alternative B may cover identified RECs such as the fly ash areas, former oil/water separator ponds, ballast material, and potential residual contamination in soil and groundwater migrated from the former Central Operations Area. Potential effects to these RECs would be due to temporary construction activities (discussed in more detail in Section 7.2) and would not be considered permanent impacts.

Approximately 1,400 linear feet of fill would be required for the Alternative B track alignment and station platforms. The vertical depth of fill required to accommodate the 600-foot station platform ranges from 8 to 16 feet due to existing topographical elevation and a gradual change in slope of the realigned track. Drilled shafts or driven piles would be used as the structural foundations for the station, pedestrian bridge and retaining wall structures. The vertical depth of fill required to accommodate the realigned track ranges from 1 to 15 feet. All soil and fill material required to be excavated at the site would be properly disposed off-site and replaced with clean fill. This clean fill would come from off-site resources and would include soils that are conducive to track functions and load-bearing specifications.

No below-grade structures are proposed for Build Alternative B at this time. New subsurface features would be limited to underground utilities, vaults, or shallow excavations for piles. For the most part, these features would be contained to the clean fill needed to accommodate the station platform and required track.

7.1.5 Build Alternative D

Build Alternative D would not result in long-term or permanent adverse effects related to RECs identified within the study area due to risk mitigation and engineering controls and measures that would be undertaken.

No significant below-grade structures are proposed, and major excavation is not required for Alternative D, which would be built upon aerial structures. Piers or bents that would be constructed for Alternative D would be built on drilled shafts or driven piles.

Realigned and new track for Build Alternative D would be built on aerial structures and retained fill. RECs within the limits of disturbance include locations of fly ash, ballast material, and potential residual contamination in soil and groundwater migrated from the former Central Operations Area primarily towards the southern end of the platform and any pedestrian access ways. Potential effects to these RECs would be due to temporary construction activities (discussed in more detail in Section 7.2) and would not be considered permanent impacts.

No below-grade structures at this time are proposed for Build Alternative D. Subsurface features would be limited to underground utilities, vaults, or shallow excavations needed for piles or piers. Soil disturbance can be lessened at the potential RECs if driven piles, shafts, or sheeting can be used rather than drilled shafts to accommodate any excavations.

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Figure 7-1: Build Alternative A Potential/Former Recognized Environmental Condition Sites (RECs)

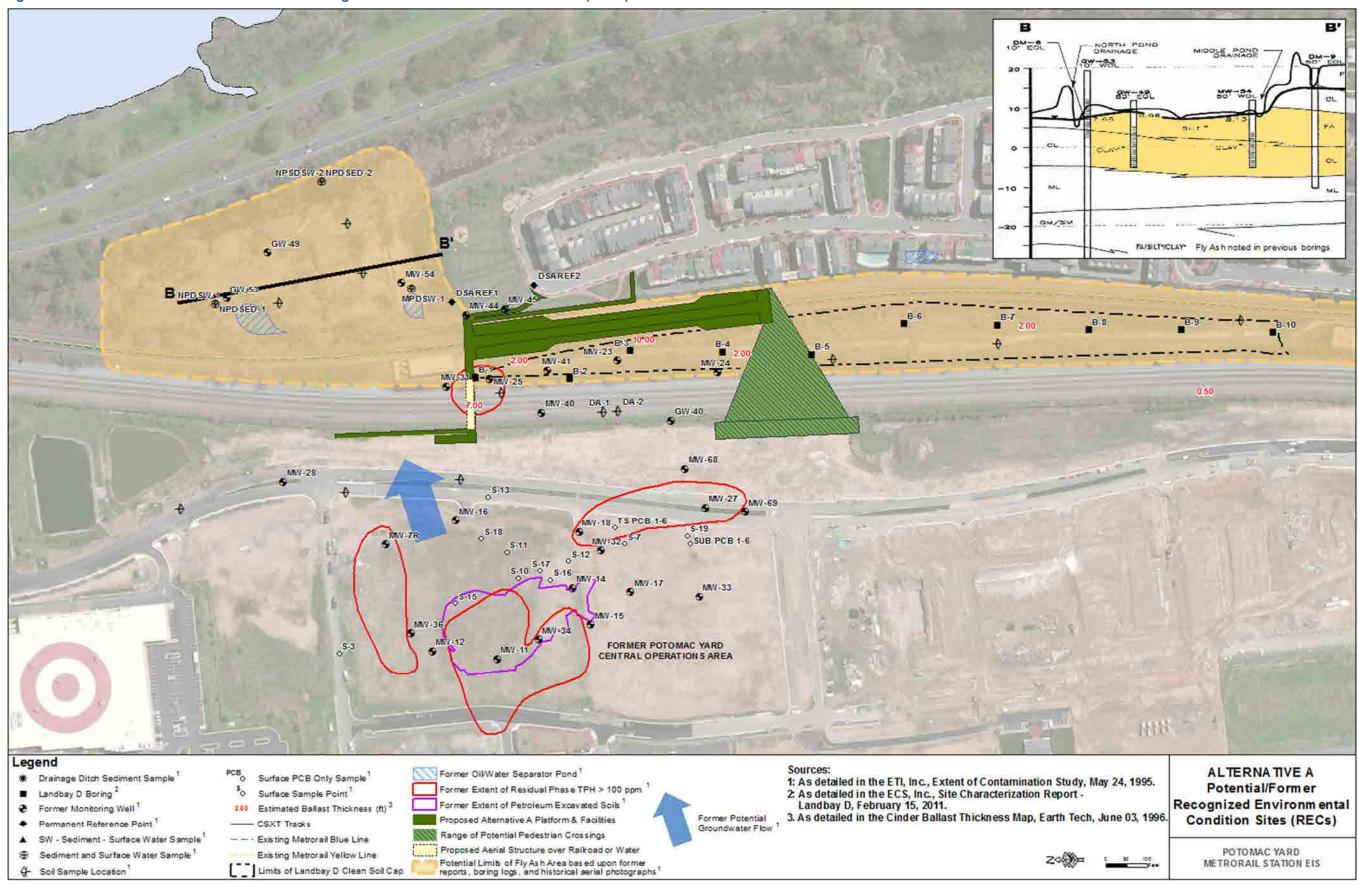


Figure 7-2: Build Alternative B Potential/Former Recognized Environmental Condition Sites (RECs)

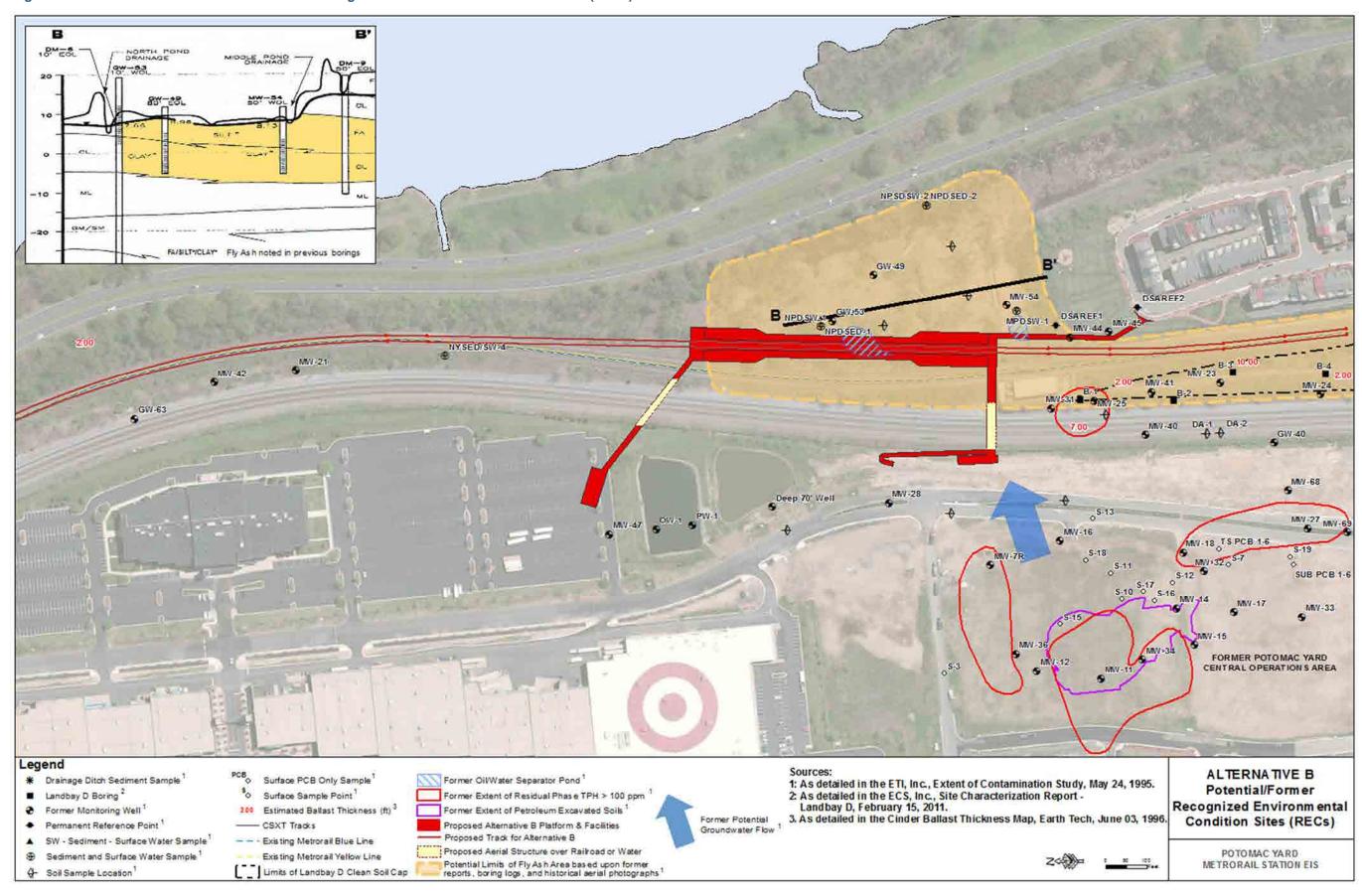


Figure 7-3: Build Alternative D Potential/Former Recognized Environmental Condition Sites (RECs) – North

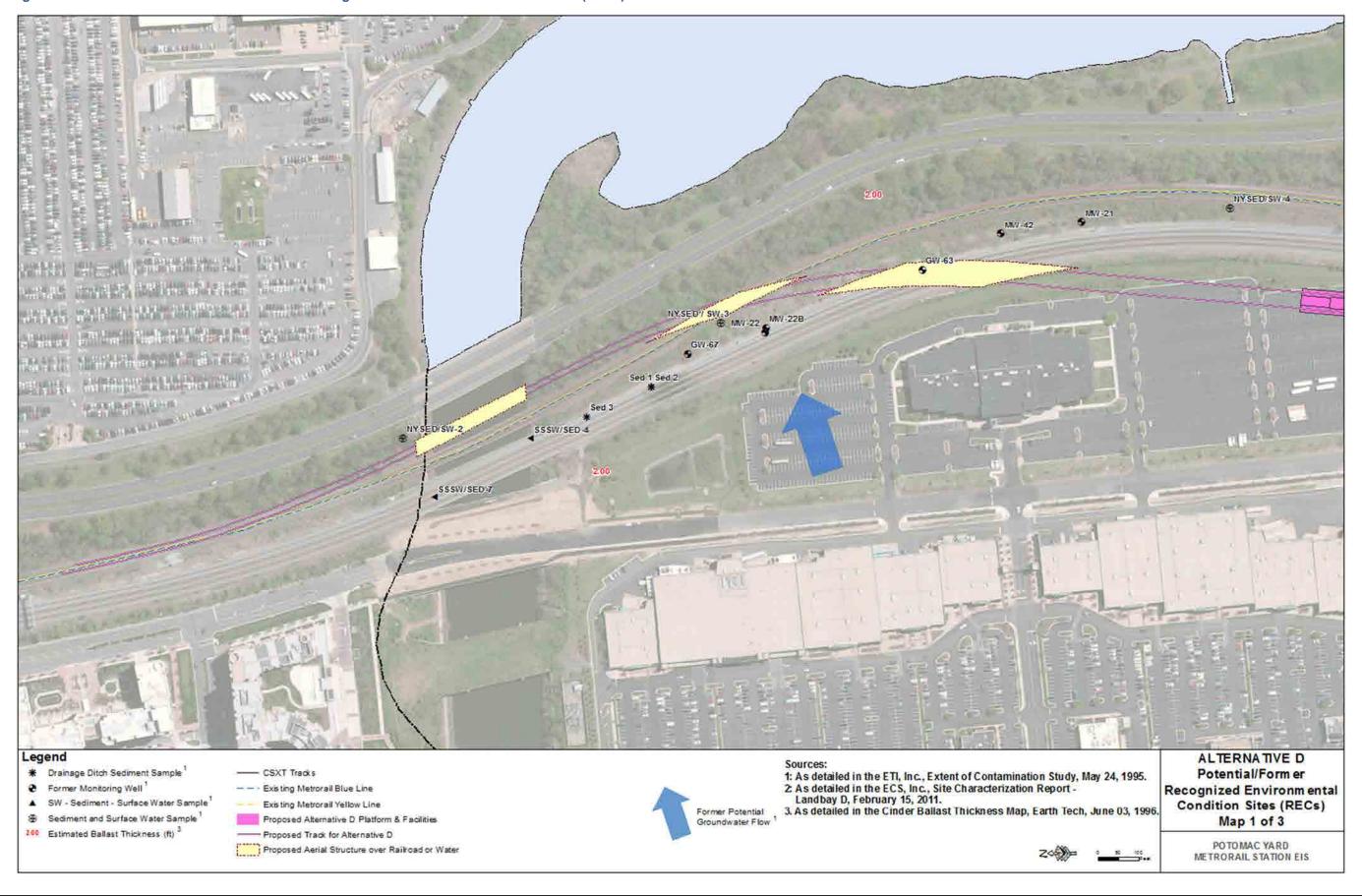


Figure 7-4: Build Alternative D Potential/Former Recognized Environmental Condition Sites (RECs) – Middle

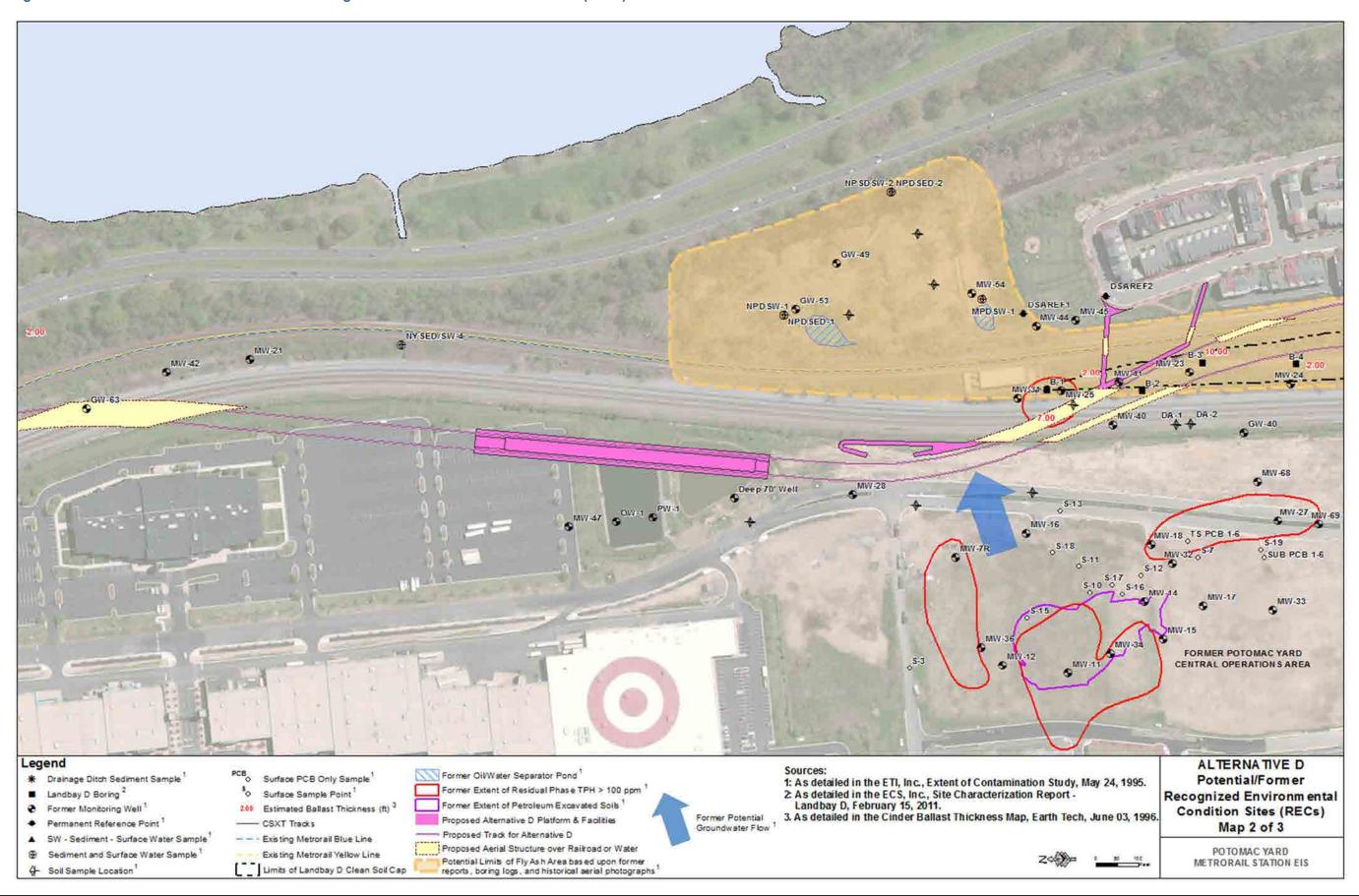
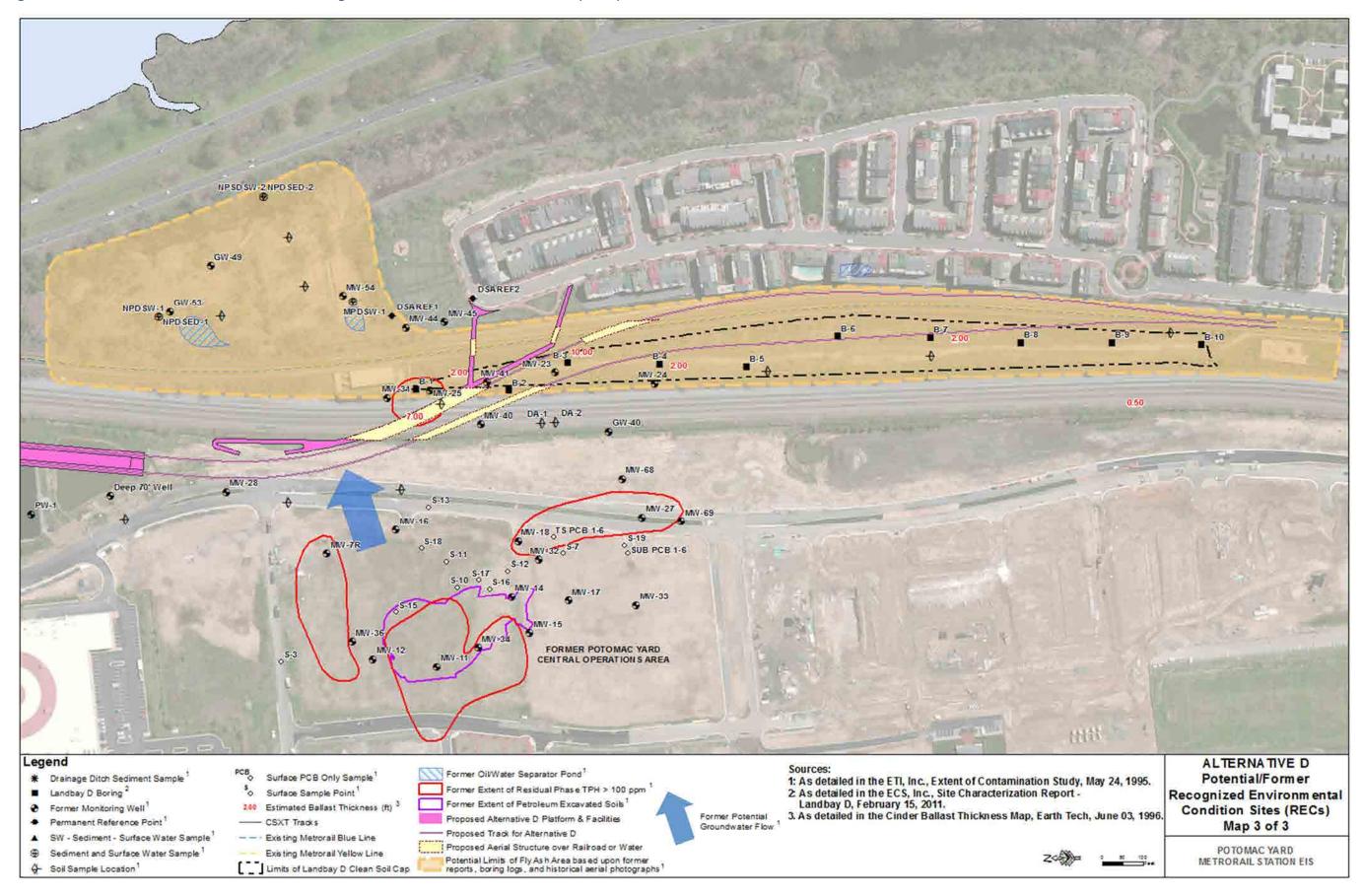


Figure 7-5: Build Alternative D Potential/Former Recognized Environmental Condition Sites (RECs) – South



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7.2 Temporary Construction Effects

RECs are most likely to be encountered during construction activities associated with the Build Alternatives. Temporary impacts from RECs may result from the following types of construction activities:

- Grading for the tracks;
- Clearing, grubbing, and grading for the station facilities and pedestrian bridges;
- Construction of new embankments for track;
- Construction of piers or bents for aerial sections of track and platforms;
- Drilling shafts and driving piles for structural foundations, and
- Fill activities.

Two of the construction effects, contaminated soil excavation and disposal, and contaminated groundwater dewatering during construction, are further discussed below.

7.2.1 Contaminated Soil Excavation and Disposal

RECs in subsurface soil consisting of fly ash, TPH and petroleum-impacted soils, and ballast material, have been identified within the limits of disturbance or construction for Build Alternative A, Build Alternative B, and to a lesser extent at Build Alternative D. Residual oil may also be present in subsurface soil at the former Oil/Water separator Ponds at Alternative B. If subsurface soil containing RECs is excavated, waste characterization sampling must be performed as discussed below.

Waste characterization sampling of excavated contaminated materials for disposal purposes will need to be performed including a toxicity characteristic leachate procedure (TCLP) to determine if the materials would be considered hazardous. All waste characterization sampling must be completed prior to any off-site shipment of material and meet the requirements of the intended licensed disposal facility. All excavated soil containing RECs must be managed on-site, sampled, manifested, and transported and disposed according to Virginia solid waste management regulations as detailed in site work plans or equivalent site plans.

7.2.2 7.2.3 Contaminated Groundwater Dewatering

Based on previous CERCLA, VDEQ, and Landbay environmental assessment reports at Potomac Yard, the shallow groundwater encountered during construction is likely contaminated with residual levels of TPH, VOCs, SVOCs and metals. The groundwater depth should be evaluated during the project design phase to identify the necessity of dewatering, groundwater control requirements if dewatering is required, and disposal requirements of contaminated groundwater. The groundwater will need to be retained and will require sampling, waste characterization, pretreatment and a temporary permit for on-site discharge or discharge to the local sanitary sewer system depending upon the volume or concentrations of contaminants.

8.0 POTENTIAL MITIGATION AND REMEDIAL OPTIONS

8.1 Proposed Designs and Construction Techniques

No large-scale below-grade structures are proposed, and significant volumes of soil from excavation are not anticipated for any of the build alternatives. The majority of each of the station structures would be constructed upon drilled shafts or driven piles. The majority of the subsurface features are anticipated to be contained to underground utilities, vaults, and other shallow excavations needed to facilitate the installation of piles, piers or bents.

Soil disturbance would be further lessened at the potential RECs by use of driven piles, shafts, or sheeting that can be used rather than drilled shafts to accommodate any excavations. These best management practices and construction mitigation methods are intended to lessen impacts from contaminated materials wherever possible.

8.2 Best Management Practices and Mitigation

This section describes Best Management Practices (BMP) and remedial options that could be used to mitigate risks posed by potential residual contamination at RECs if encountered during construction of the project.

These BMP and mitigation strategies and techniques are typically compiled into a Site Management Work Plan or equivalent document prior to construction. Elements of the Site Management Work Plan typically include:

- Soil Management Plan
- Construction Worker Health and Safety Plan
- Plans for clean capping of impacted soil
- Construction dewatering plans
- Plans for over excavation of utilities in impacted soils, and
- Vapor mitigation evaluation

8.2.1 Site Management Work Plan

A Site Management Work Plan (or equivalent site plans) describes temporary measures to mitigate potential risks from contaminants to construction workers and the environment. The Plan is developed prior to construction and may include the following elements based on other Site Management Work Plans developed for adjacent landbays:

- Construction worker health and safety The RA approved by the USEPA in 1995 concluded that development
 activities would not pose elevated risks to human health. However, potential exposure to chemical constituents
 (i.e., arsenic and lead) in soil materials may occur through direct contact with soils at RECs or inhalation of dust
 particles (Weinberg Consulting Group, 1995). Therefore, construction worker protective measures may be
 required to ensure compliance with Occupational Safety and Health Administration (OSHA) regulations during
 construction activities.
- Contaminated soil excavation and disposal As defined in the Site Management Work Plan or equivalent, the site engineer will monitor excavation of site soils during excavations in RECs and segregate and properly manifest soils indicative of ballast, fly ash, and petroleum contamination.
- Dust control measures Dust inhalation exposure will not be likely to occur after final development and the
 cessation of earthmoving activities. Construction workers' exposure to dust may occur during excavation and
 earthmoving activities. The 1995 RA does not predict adverse health effects from dust. However, engineering
 controls and work practices may be implemented to minimize potential exposure of construction workers to
 particulate emissions. A limited dust monitoring program may be used during a portion of earthwork activities to
 confirm the 1995 RA conclusion of no adverse effect.
- Construction dewatering Prior to discharging water from the site, contaminant reduction may be instituted, if necessary, based on site conditions and permit requirements. All appropriate discharge permits should be obtained prior to dewatering or discharge from the site.
- Clean capping of contaminants left in place To mitigate risk to users of the developed property, a final grade
 may include a two-foot clean soil cap or an impervious hardscape cover to encapsulate contaminated material
 left in place, if necessary, after excavation is complete.
- Vapor barrier or mitigation measures evaluation Previous environmental analysis has indicated that VOC contaminants in soil and groundwater resulting in potential indoor air issues are not elevated or widespread. However, during previous Landbay development plans at Potomac Yard, the City of Alexandria has requested that each building structure require vapor barrier and sub-grade ventilation unless the need for these measures is evaluated and determined to be unnecessary by a professional engineer (ECC, 2011).
- Over excavation of subsurface utilities in impacted soils To mitigate potential future exposure to utility construction workers, planned utility corridors in contaminated soil at landbays in Potomac Yard have been planned to be over-excavated two feet beyond the extent of a typical excavation for the type and size of utility to be installed (ECC, 2011).
- Land use restrictions To mitigate risk of groundwater ingestion, contact, or use of contaminated groundwater, previous Landbay development at Potomac Yard has included plans for a deed restriction precluding use of groundwater from the site for potable purposes.

8.2.2 Voluntary Remediation Program

The VDEQ Voluntary Remediation Program (VRP) is an alternative and voluntary remedial option program to document mitigation measures. The VRP is a streamlined mechanism for site owners or developers to voluntarily address contamination at sites with concurrence from the VDEQ. When the mitigation measures are satisfactorily completed, VDEQ issues a "certification of satisfactory completion of remediation". This certification provides assurance that the remediated site would not later become the subject of a VDEQ enforcement action unless new issues are discovered. Potential regulatory requirements and coordination is discussed in Section 9.

8.2.3 Other

Other BMPs would be used on the construction site, such as pollution control devices, development of spill prevention programs, installation and maintenance of runoff diversion and secondary containment structures. The BMPs and sediment and erosion control plans would be prepared and submitted with site plans to the City of Alexandria and Arlington County.

The potential chemicals of concern, construction impacts, best management practices (BMPs) and potential mitigation measures for Build Alternatives A, B and D are summarized in **Table 8-1**, **Table 8-2** and **Table 8-3** respectively.

Table 8-1: Alternative A Impact Rost Management Practice and Mitigation Summary

Potential/		ve A Impact, Best Management Practice and Mitigation Summary				
Former REC	Potential Chemicals of Concern	Potential Construction Impacts	Potential BMP or Mitigation			
Residual Fly Ash Area	Elevated concentrations of metals were detected in previous fly ash analysis immediately north of the Potomac Greens (ETI, 1995). Arsenic detected at an average concentration of 106 mg/kg, lead at 34 mg/kg, and copper at 70 mg/kg. Soil samples obtained as part of the adjacent Landbay D Site Characterization in 2011 (ECS, 2011) indicate TPH-DRO greater than 50 mg/kg, silver, and lead above VDEQ Tier II Risk based screening level (RBSL) for industrial/commercial property re-use. One soil sample from Landbay D (B-8) had a Lead TCLP analysis result of 5.4 mg/L, slightly above the USEPA's hazardous soil designation.	Potential to encounter fly ash at the proposed station platform, tracks, and to a lesser extent at the pedestrian footbridge primarily with the advancement of piles, footers, and utilities. However, significant amount of fill or soil excavation is not anticipated to be required, as the Metrorail tracks would follow their existing alignment and the platforms would be built atgrade. Drilled shafts or driven piles would be used as foundations for the station and pedestrian bridge structures.	A Site Management Work Plan to avoid and minimize risks from potential contaminants to construction workers and the environment may be developed to document and maintain no significant risk status during construction. Site Management Work Plan or equivalent site plan components may include an Environmental Health and Safety Plan, Soil Excavation and Disposal, Utility Clean Corridor Preparation, Dust Control, Construction Dewatering, Clean Fill and Surface Soil Cap, Vapor barrier or mitigation measures, subsurface use and ventilation, groundwater use restrictions, and post remedial actions.1			
Former Potomac Yard Central Operations Sub- Area Former TPH and Free Product	Levels of up to 11 feet of free product were formerly located at the former Potomac Yard Central Operations Sub-Area, along with elevated levels of TPH. Given the former potential groundwater flow direction, any residual contaminants that remain in this area had the potential to migrate eastward towards the project area. Recent Landbay G (former Central Operations Area) SCR reports indicate elevated TPH and metals remain in soils and groundwater at this adjacent property.	Potential to encounter migrated/residual contamination from the former Central Operations Area at or near the northernmost pedestrian footbridge "head house" and to a lesser extent the northern portion of the Station Platform. However, significant amounts of fill or soil excavation is not anticipated				
Former Cinder Ballast	Cinder ballast ranging up to 10 feet thick may sporadically remain near Build Alternative A. Cinder ballast analytical results commonly contained elevated levels of metals, including lead and arsenic.	Advancement of piles, footers, and utilities along the ROW and for the pedestrian overpass into former ballast is possible. However, much of the near ground surface ballast has been removed at the site with only sporadic pockets of ballast in previously undisturbed areas remaining.				
Groundwater	Potential for residual low level of TPH, VOCs, SVOCs and metals in the groundwater.	Little to no dewatering of construction excavations is anticipated. Dewatering activities will be dependent upon the depth and amount of subsurface work. Major excavation is not anticipated to be required for the construction of Build Alternative A. Existing fill present on west side of ROW may also limit volumes of generated groundwater as groundwater is at deeper depth.	Should temporary dewatering of construction excavations be necessary, a National Pollution Discharge Elimination System (NPDES) or Publicly-owned Treatment Works (POTW) Permit may be required, if applicable. The dewatering design and permitting activities, if necessary, will be evaluated in the project design phase.2			

¹ A Site Management Plan is considered to be a BMP unless it is required as a mitigation measure because of contaminants found during the Phase II ESA.
² Because the groundwater is anticipated to be contaminated from past industrial use, dewatering of construction excavations would be a mitigation measure required by regulatory authorities.

Table 8-2: Alternative B Impact, Best Management Practice and Mitigation Summary

Potential/ Former REC	Potential Chemicals of Concern	Potential Construction Impacts	Potential BMP or Mitigation
Residual Fly Ash Area	Elevated metals were detected in previous fly ash analysis immediately north of the Potomac Greens (ETI, 1995). Arsenic was detected at an average concentration of 106 mg/kg, lead at 34 mg/kg, and copper at 70 mg/kg.	Residual fly ash areas, potential residual contaminants from the former oil/water separator ponds, and potential residual or migrated contaminants from the former Central Operations Area may be encountered during clearing, grubbing activities, and potential soil	Soil disturbance may be lessened if driven piles, shafts, or sheeting can be used rather than drilled shafts or excavations to accommodate a mechanically stabilized engineered (MSE) wall.
Former Oil/Water Separator Ponds	Potential for residual TPH, PCBs or other residual contaminants in soils. In 1973, the three oil/water retention ponds were relocated to clear a path for the Metrorail Yellow Line. The old ponds were filled with ash and soil. In 1993, the retention ponds were removed. The ponds were dewatered, and the sludge/sediment disposed offsite.	excavation. Drilled shafts or driven piles would be required as foundations for the Metrorail station, pedestrian bridge and retaining wall structures. The vertical depth of fill required to accommodate the realigned track ranges from 1 to 15 feet.	All soil and fill material required to be excavated at the site will be properly disposed off-site and replaced with clean fill. A Site Management Work Plan to avoid and minimize potential risks from contaminants to construction workers and the environment may be developed to document mitigation
Former Potomac Yard Central Operations Sub- Area Former TPH and Operations Sub-Area Former TPH and Free Product Former Cinder Ballast	Up to 11 feet of petroleum free product were formerly located in soils at the adjacent and upgradient Former Central Operations Area, along with elevated levels of TPH, VOCs, SVOCs, and metals. Given the former potential groundwater flow direction, any residual contaminants that remain in this area had the potential to migrate eastward towards the project area. Historic cinder ballast analytical results commonly	No below-grade structures are proposed for Build Alternative B at this time. Subsurface features would be contained to underground utilities, vaults, or shallow excavations needed to facilitate the installation of piles. For the most part, these features would be contained within the clean fill needed to accommodate the station platform and required track.	measures and maintain no significant risk status at the property during construction. ² The Site Management Work Plan or equivalent may include an Environmental Health and Safety Plan, Soil Excavation and Disposal, Utility Clean Corridor Preparation, Dust Control, Construction Dewatering, Clean Fill and Surface Soil Cap, Vapor
	contained elevated levels of lead and arsenic.		barrier or mitigation measures, subsurface use and ventilation, groundwater use restrictions, and post remedial actions.
Groundwater	Potential for residual low level of TPH, VOCs, SVOCs and metals in the groundwater.	Although little to no dewatering of construction excavations is anticipated, there is a potential for temporary dewatering of construction excavations of footers, utilities, etc. that intercept the shallow perched groundwater at the Site.	The dewatering requirement, design and permitting activities will be evaluated in the project design phase. An NPDES or POTW Permitting may be required, if dewatering is applicable. ³

¹ Excavation and disposal of soil and fill material is considered to be a BMP unless it is required as a mitigation measure because of contaminants found during the Phase II ESA. ² A Site Management Plan is considered to be a BMP unless it is required as a mitigation measure because of contaminants found during the Phase II ESA.

³ Because the groundwater is anticipated to be contaminated from past industrial use, dewatering of construction excavations would be a mitigation measure required by regulatory authorities.

Table 8-3: Alternative D Impact, Best Management Practice and Mitigation Summary

Potential/ Former REC	Potential Chemicals of Concern	Potential Construction Impacts	Potential BMP or Mitigation
Residual Fly Ash Area	Metals were detected in previous fly ash analysis immediately north of the Potomac Greens (ETI, 1995). Arsenic detected at an average concentration of 106 mg/kg, lead at 34 mg/kg, and copper at 70 mg/kg. Soil samples completed as part of Landbay D Site Characterization in 2011 (ECS, 2011) indicate TPH-DRO greater than 50 mg/kg, silver, and lead above the VDEQ Tier II Risk based screening level (RBSL) for industrial/commercial property reuse. A soil sample from Landbay D had a Lead TCLP analysis result of 5.4 mg/L, above the USEPA's hazardous soil designation.	Residual fly ash areas could be encountered at depth for tracks/pile and pier work south of the proposed station. Potential residual/migrated contaminants from the former Central Operations Sub-Area has the potential to be encountered for tracks, pile and pier work immediately south of the proposed station. Former cinder ballast can occur sporadically throughout project area. The main platform area appears to be located away from the main RECs. No significant below-grade structures are proposed and major excavation is not required	A Site Management Work Plan to avoid and minimize risks from potential contaminants to construction workers and the environment may be developed to document mitigation measures and maintain no significant risk status at the property during construction. The Site Management Work Plan or equivalent may include an Environmental Health and Safety Plan, Soil Excavation and Disposal, Utility Clean Corridor Preparation, Dust Control, Construction Dewatering, Clean Fill and Surface Soil Cap, Vapor barrier or mitigation measures, subsurface use and ventilation, groundwater use
Former Potomac Yard Central Operations Sub-Area Former TPH and Operations Sub Area Former TPH and Free Product	Levels of up to 11 feet of free product were formerly located at the former Potomac Yard Central Operations Sub-Area, along with elevated levels of TPH VOCs, SVOCs, and metals. Given the former potential groundwater flow direction, any residual contaminants that remain in this area had the potential to migrate eastward towards the project area.	for Build Alternative D which would be built upon aerial structures. Piers or bents that would be constructed for Build Alternative D would be built upon piles. Subsurface features would be contained to underground utilities, vaults, or shallow excavations needed to facilitate the installation of piles and piers. Soil disturbance can be lessened at the potential RECs if driven piles,	restrictions, and post remedial actions. ¹
Former Cinder Ballast	Historic cinder ballast analytical results commonly contained elevated levels of lead and arsenic.	or shafts, or sheeting can be used rather than drilled shafts to accommodate any excavations.	
Groundwater	Potential for residual low level of TPH, VOCs, SVOCs and metals in the groundwater.	Little to no dewatering is anticipated for the proposed Build Alternative D. Temporary dewatering activities may be required, dependent upon the depth and amount of subsurface work. Dewatering activities could be associated with footers, utilities, etc.	NPDES or POTW Permitting may be required, if applicable. May be included with a Materials Management Plan, as part of the Site Management Work Plan. ²

¹ A Site Management Plan is considered to be a BMP unless it is required as a mitigation measure because of contaminants found during the Phase II ESA.
² Because the groundwater is anticipated to be contaminated from past industrial use, dewatering of construction excavations would be a mitigation measure required by regulatory authorities.

9.0 POTENTIAL REGULATORY REQUIREMENTS AND COORDINATION

In addition to required NEPA regulations and guidance, the regulatory requirements and coordination relating to hazardous and contaminated materials that may be encountered during construction include the following federal, state and local laws, and guidance.

9.1 Federal

9.1.1 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

CERCLA is a federal law designed to clean up sites contaminated with hazardous substances. The CERCLA law provides broad federal authority to clean up releases or threatened releases of hazardous substances that may endanger public health or the environment. The law authorized the USEPA to identify parties responsible for contamination of sites and compel the parties to clean up the sites.

In September 1992, USEPA and RF&P signed a CERCLA Administrative Order by Consent requiring RF&P to study and remediate contamination at the Potomac Rail Yard. USEPA declared the Potomac Yard CERCLA site closed in accordance with all applicable regulatory requirements in a letter dated October 20, 1999 (see **Appendix F**). As this site status is closed, CERCLA regulations are no longer applicable to this property.

9.1.2 Resource Conservation and Recovery Act (RCRA)

A hazardous waste is defined by the Resource Conservation and Recovery Act (RCRA) as a waste that poses substantial or potential threats to public health or the environment. The treatment, storage and disposal of hazardous waste are regulated under RCRA. A hazardous waste is defined under RCRA in 40 CFR 261 where they are divided into two major categories: characteristic wastes and listed wastes.

Characteristic hazardous wastes are materials that are known or tested to exhibit one or more of the following four hazardous traits: ignitability (i.e., flammable), reactivity, corrosively, and toxicity. Potentially excavated contaminated soil, fly ash, and ballast material generated at the site from RECs may need to be characterized to determine if the material is considered a hazardous waste. Such wastes will need to be labeled, transported, and disposed as hazardous waste at an appropriately permitted disposal facility.

9.1.3 Clean Water Act (CWA)

The Clean Water Act (33 U.S.C. 1251) - The Clean Water Act establishes the basic structure for regulating discharges of pollutants into the waters of the United States and regulating quality standards for surface waters. Construction dewatering discharge from this site may need to be pretreated and permitted.

9.1.4 USEPA All Appropriate Inquiries (AAI) - 40 CFR Part 312

All Appropriate Inquiries (AAI) is a process of evaluating a property's environmental conditions and assessing the likelihood of any contamination. The USEPA published a final rule setting federal standards for the conduct of all appropriate inquiries. The rule was published in the Federal Register on November 1, 2005. The All Appropriate Inquiries Final Rule provides that the ASTM E1527-05 standard is consistent with the requirements of the final rule and may be used to comply with the provisions of the rule.

9.1.5 Toxic Substances Control Act (TSCA)

The Toxic Substances Control Act (TSCA), passed by the United States Congress in 1976, regulates the introduction of new or already existing chemicals. The TSCA sections which could potentially be relevant to the Site define PCB concentrations that represent unreasonable risk to public health or the environment. The regulations implementing TSCA are found in Title 40 of the CFR, Chapter I, Subchapter R. The TSCA program is run by EPA and is not delegated to any state agency.

9.1.6 Hazardous Materials Transportation Act of 1975 (HMTA)

The Hazardous Materials Transportation Act of 1975 (HMTA) is a transportation-related statute to improve the regulatory and enforcement authority of the Secretary of Transportation to protect against risks to life and property which are inherent in the transportation of hazardous materials in commerce. The HMTA includes regulations which apply to any person who transports, or causes to be transported or shipped, a hazardous material. Hazardous materials regulations are subdivided by function into four basic areas:

- Procedures and/or Policies 49 CFR Parts 101, 106, and 107.
- Material Designations 49 CFR Part 172.

- Packaging Requirements 49 CFR Parts 173, 178, 179, and 180.
- Operational Rules 49 CFR Parts 171, 173, 174, 175, 176, and 177.

9.2 State

9.2.1 Virginia Hazardous Waste Management Regulations (VHWMR)

The Virginia Hazardous Waste Management Regulations (VHWMR) is applicable to the management and disposal of excavated soil at the site that may be potentially contaminated with hazardous materials. The VHWMR incorporates the federal RCRA Regulations 40 CFR Part 261, Subpart C, and Subpart D.

9.2.2 Virginia Solid Waste Management Regulations (9 VAC 20-80-10)

The Virginia Solid Waste Management Regulations (VSWMR) establish standards and procedures applicable to the management of solid wastes and design, construction, operation, maintenance, closure and post-closure care of solid waste management facilities in Virginia. The regulations establish facility standards for disposal of solid wastes generated during remediation activities. Solid waste generated at the site must be managed in accordance with VSWMR. Disposal facilities must meet VSWMR guidelines to accept the waste material.

9.2.3 Virginia Voluntary Remediation Program (VRP)

The Virginia VRP is a voluntary streamlined mechanism for site owners or operators to voluntarily address contamination at sites with concurrence from the VDEQ. When the remediation is satisfactorily completed, VDEQ issues a "certification of satisfactory completion of remediation." This certification provides assurance that the remediated site will not later become the subject of a VDEQ enforcement action unless new issues are discovered. The VRP program utilizes generic tiered risk based screening criteria based on proposed land use. The VRP risk based screening levels can be utilized to screen site data for potential soil, groundwater, and vapor intrusion chemicals of concern. The VRP could be considered by the project team management as an alternative remedial program to address residual site contamination.

9.2.4 Virginia Pollutant Discharge Elimination System (VPDES) (9 VAC 25-32-10 to 940)

The Virginia Pollutant Discharge Elimination System (VPDES) are standards for discharging pollutants into surface waters of the Commonwealth which are enforced by the City of Alexandria. A temporary discharge permit may be required from the City of Alexandria should discharge of groundwater from excavations be required at the potential Metrorail Station locations.

9.2.5 Virginia Erosion and Sediment Control Regulations (4 VAC 50-30-10 to 110)

Erosion and sediment control plans are to be submitted for land-disturbing activities, and must be in compliance with the locality and/or local soil and water conservation district. The City of Alexandria Erosion and Sediment Control Ordinance (Section 5-4-1 of the City Code) require that any construction project that disturbs at least 2,500 square feet have a City approved construction pollution prevention plan. Arlington County's related laws and regulations include Chapter 57, Erosion and Sediment Control, of the Arlington County Code and other related chapters.

9.3 Local

City of Alexandria Zoning Ordinance, Contaminated Land Requirements (Sec. 11-410(v)) – During Site Plan submittals, adequate provision shall be made to clean, control and otherwise alleviate contamination or environmental hazards on land when the site is in an area found by the Director of Transportation and Environmental Services to be contaminated by a toxic substance or otherwise to contain environmental hazards which are detrimental to the public health, safety and welfare. This local City Ordnance ensures that risk mitigation measures are conducted during construction as approved in site management work plans or equivalent site plans.

9.4 Land Acquisition

If the project involves any land acquisition using FTA funds, then the FTA Region III Real Estate Office and City of Alexandria Department of Transportation and Environmental Services must be contacted.

10.0 FINDINGS AND SUMMARY

RECs remaining within Potomac Yard have been either remediated or mitigated by risk management methods during previous USEPA, VDEQ, and City of Alexandria oversight of historical remedial activities or during more recent subsequent redevelopment activities. Additional measures, such as residual contaminant removal, construction worker health and safety plans, soil excavation and disposal plans, dust control, groundwater dewatering plans, clean capping of contaminants left in place, vapor barrier evaluation or mitigation measures, subsurface use and ventilation, and over excavation of subsurface utilities in impacted soils, are being implemented, as needed, during subsequent redevelopment within Potomac Yard to maintain a level of no significant risk to construction workers and future land users. The risk mitigation measures are outlined in Site Management Work Plans or equivalent site plans prior to construction, usually in the project design phase.

A Phase II ESA must be completed if a Build Alternative is selected as the preferred altherative. The Phase II ESA would focus sampling locations on design features which may include areas requiring excavation in order to pre-characterize the soils and potential shallow groundwater. The Phase II results could be used to determine if site-specific risk mitigation measures are necessary and define soil and groundwater management and disposal requirements during construction.

11.0 QUALIFICATIONS - LIST OF PREPARERS

Lance E. Comas – Senior Environmental Scientist, AECOM, Inc.

BS - Geology - Richard Stockton College, 1989

Twenty-three (23) years experience in Phase I and Phase II investigations, remedial environmental assessments and analysis, completing Environmental Impact Statement preparation in accordance with Federal and State NEPA requirements for highways, rail, and other transportation projects throughout the Northeast and Mid-Atlantic regions. Mr. Comas has also completed and managed various remediation assessment projects regarding contaminated and hazardous materials for clients within the transportation, petrochemical, retail petroleum, pharmaceutical, energy generation, and governmental sectors throughout the Mid-Atlantic and the Northeastern United States, California, and Illinois.

Brendan McGuinness - Senior Environmental Scientist, AECOM, Inc.

BS - Geosciences - State University of New York, 1985

Professional Geologist, 1993, Tennessee, #TN3300

Twenty-five (25) years experience in petroleum and hazardous waste site studies, including site investigation, remedial investigation, and feasibility studies at numerous Department of Defense and commercial sites. Mr. McGuinness provides technical and regulatory support for RCRA, CERCLA, and brownfield projects and supports NEPA EIS and EA natural resources and hazardous materials studies.

Matthew Nilsen - Environmental Planner, AECOM, Inc.

MS - Environmental Science - Rutgers University/NJIT, 2004

BS - Environmental Science - Saint John's University, 2001

Eight (8) years experience in environmental and ecological assessments including conducting Phase I and Phase II investigations throughout the Northeast and Mid-Atlantic regions. In addition, Mr. Nilsen completed various remedial reports and investigations for submission to the NJDEP. Mr. Nilsen also conducted natural resource surveys; qualitative ecological field evaluations; threatened and endangered species investigations; prepared and filed environmental permit applications at the federal, state, and local level.

12.0 REFERENCES

Site Visits and Regulatory Meetings

AECOM. Potomac Yard Phase 1 Site Walk, April 23, 2012. Mr. Lance Comas, Mr. Brendan McGuinness.

City of Alexandria Department of Environmental Quality

Date: May 2, 2012

Contacts: Daniel Imig [Daniel.Imig@alexandriava.gov]

Subject: Brendan McGuinness (AECOM) regulatory meeting with City of Alexandria, Mr. Daniel Imig to review and

collect environmental documents related to Potomac Yard.

Virginia Department of Environmental Quality

Date: April 23, 2012

Contacts: Mr. James Green (VA DEQ UST/Petroleum Program Manager), Richard Doucette (DEQ Waste

Program Manager/Voluntary Remediation Program); June Erwin (VA DEQ FOIA Administrator).

Subject: MR. Lance Comas and Brendan McGuinness (AECOM) regulatory meeting with VA DEQ, Northern

Regional Office, 13901 Crown Court, Woodbridge, VA. AECOM interviewed Mr. Green and Mr. Doucette

regarding regulatory history and status of Potomac Yard site. AECOM conducted file review and obtained relevant

environmental documents.

Communications (personal, e-mails, memos)

Buchanan, Tracey (VA DEQ), email message to Green, James (VA DEQ); Doucette, Richard (VA DEQ), March

29, 2012, Subject: FW: FOIA Request notification to VA DEQ staff for Potomac Yard, City of Alexandria,

VA

Doucette, Richard (VA DEQ), email message to McGuinness, Brendan (AECOM), Green, James (DEQ), Erwin,

June (DEQ); Comas, Lance (AECOM), April 04, 2012, Subject: RE: FOIA Request for Potomac Yard, City

of Alexandria, VA DEQ staff is available on April 24.

Green, James (VA DEQ), email message to McGuinness, Brendan (AECOM), Doucette, Richard (DEQ);

McMurray, Patricia (DEQ); Erwin, June (DEQ), March 30, 2012, Subject: RE: FOIA Request for Potomac

Yard, City of Alexandria, VA

- Imig, Daniel (City of Alexandria DEQ), email message to McGuinness, Brendan (AECOM), May 4, 2012. Subject: clean corridor code/ordnance reference. City's Zoning Ordinance (Article 11-410(V)) Adequate provision shall be made to clean, control and otherwise alleviate contamination or environmental hazards on land when the site is in an area found by the director of transportation and environmental services to be contaminated by a toxic substance or otherwise to contain environmental hazards which are detrimental to the public health, safety and welfare.
- McGuinness, Brendan (AECOM), email message to Buchanan, Tracey (VA DEQ), March 29, 2012, Subject: FOIA Request submitted for Potomac Yard, City of Alexandria, VA
- McGuinness, Brendan (AECOM), email message to Green, James (VA DEQ), Doucette, Richard (DEQ);
 McMurray, Patricia (DEQ); Erwin, June (DEQ); Comas, Lance (AECOM), April 04, 2012, Subject: RE:
 FOIA Request for Potomac Yard, City of Alexandria, VA. AECOM Request for interview and to collect documents on April 16 or 24, 2012
- McGuinness, Brendan (AECOM), email message to Doucette, Richard (DEQ), Comas, Lance (AECOM), July 10, 2012, Subject: Request for Potomac Yard VRP documents related to Landbay G VRP Site Number 00548.
- McMurray, Patricia (VA DEQ), email message to Green, James (DEQ); McGuinness, Brendan (AECOM), Doucette, Richard (DEQ); Erwin, June (DEQ); Woodward, Jennifer (DEQ), March 30, 2012, Subject: RE: FOIA Request for Potomac Yard, City of Alexandria, VA. "Let us know if you need anything from Central Office".
- Woodard, Henrietta (215.814.3164) USEPA Region III, FOIA Administrator, telephone call to McGuinness, Brendan (AECOM), April 07, 2012, Subject: AECOM Freedom of Information Act Request (FOIA) submitted electronically to USEPA Region III for Potomac Yard, Ms. Woodard (USEPA FOIA Administrator). Ms. Woodard states that Potomac Yard Files are archived in storage and difficult to access. Ms. Woodard confirmed that no other records are available for the site other than records available from the on-line USEPA Administrative Record for the Potomac Yard. The FOIA request from AECOM to USEPA for Potomac Yard files was closed on May 7, 2012.

Regulatory Guidance

City of Alexandria Zoning Ordinance, Contaminated Land Requirements - Sec. 11-410(v)

Clean Water Act (CWA) - 33 U.S.C. §1251

Resource Conservation and Recovery Act (RCRA) - 40 CFR Part 261

USEPA All Appropriate Inquiries (AAI) - 40 CFR Part 312

Virginia Solid Waste Management Regulations - 9 VAC 20-80-10

Virginia Erosion and Sediment Control Regulations - 4 VAC 50-30-10 to 110)

Reports

DRAFT Soils and Geological Conditions Technical Memorandum. AECOM. July 2012.

- EDR Radius Map™ Report with GeoCheck®, Potomac Yard Metrorail Station EIS US Route 1 Jefferson Davis Highway Alexandria, VA 22314 Inquiry Number: 3295254.2s. Environmental Data Resources, Inc. (EDR). April 03, 2012.
- Geotechnical Report for Potomac Greens. Dames and Moore, Inc. 1998.
- Hydrogeologic Framework of the Virginia Coastal Plain: Regional Aquifer Systems Analysis, Professional Paper 1404-C. Meng, Andrew A., John F. Harsh. U.S. Geological Survey. 1988.
- Potomac Yard Landbay G, DEQ VRP Site 548 Remedial Action Plan. Environmental Consultants and Contractors, Inc. October 18, 2011.
- Refinement of Alternatives, Constructability, and Construction Staging Report, Potomac Yard Metrorail Station Environmental Impact Statement. Federal Transit Administration and City of Alexandria, Virginia. April 2012.
- Report of Subsurface Exploration and Geotechnical Engineering Analysis, Potomac Greens Townhomes, Alexandria, Virginia. Engineering Consulting Services, Ltd. August 7, 2002.
- Site Characterization Report, Potomac Yard Landbay G, ECS Project No. 12905-I VRP NO. 548.

 Engineering Consulting Services, Ltd. June 12, 2010.
- Site Characterization Report, Potomac Yards Landbay D, Alexandria, Virginia (ESC Project No. 9676-X).

 Engineering Consulting Services, Ltd. Mid-Atlantic, February 15, 2011a.
- Site Characterization Report, Potomac Yards Landbay E, Alexandria, Virginia (ESC Project No. 13495-J).

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Standard Practice for Environmental Site Assessments; Phase I Environmental Site Assessment Process.

American Society of Testing and Materials. E1527-05

CERCLA Documents

Final Engineering Evaluation/Cost Analysis, Potomac Yard Alexandria and Arlington County, Virginia. Earth Tech, Inc. June 19, 1996.

Progress Report No. 51, Potomac Yard. Earth Tech, Inc. August 13, 1996.

Interim Fined Report for Potomac Yard Removal Response Action (IFR). Earth Tech, Inc. November 13, 1998.

Closure Report for Corrective Action Plan Implementation. Earth Tech, Inc. October 9, 2000.

Extent of Contamination Study, Potomac Yard, Alexandria, Virginia, Volume I. Environmental Technology of North America, Inc. May 24, 1995a.

Off-Site Sediment and Surface Water Sampling Plan. Roy F. Weston, Inc. April 24, 1998

Extent of Contamination Study, Risk assessment, Potomac Yard Alexandria/Arlington, Virginia. Weinberg Consulting Group, Inc. May 24, 1995b.

Off-Site Ecological Risk Assessment, Potomac Yard Site. Weinberg Consulting Group, Inc. December 29, 1997.

Map Data

Arlington County, GIS data CD, 2011.

City of Alexandria, GIS data DVD, Spring 2012.

District of Columbia, DC GIS Geodatabase, June 2011.

National Park Service, GIS data, 2010.

Washington Metropolitan Area Transit Authority, survey data and aerial imagery, 2011.

APPENDIX A:

LIST OF ACRONYMS AND ABBREVIATIONS

AST Aboveground Storage Tank
AAI All Appropriate Inquiries
BGS Below Ground Surface
BMP Best Management Practice
COA Central Operations Area

COPC Chemicals of Potential Concern

CWA Clean Water Act

CAP Corrective Action Plan
CCPY Crystal City/Potomac Yard
CSXT CSX Transportation, Inc.,

Draft EIS Draft Environmental Impact Statement

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

EE/CA Engineering Evaluation/Cost Analysis
EDR Environmental Data Resources, Inc.
EIS Environmental Impact Statement
ECS Extent of Contamination Study
ESA Environmental Site Assessment
FTA Federal Transit Administration
FOIA Freedom of Information Act

GPM Gallons per Minute
MSL Mean Sea Level

MSE Mechanically Stabilized Engineered

mg/l Milligrams per Liter
mg/kg Milligram per Kilogram
ug/l Micrograms per Liter

CLRP Constrained Long Range Plan

NPS National Park Service

NEPA National Environmental Policy Act PEPCO Potomac Electric Power Company

PPB Parts per Billion
PPM Parts per Million

PCB Polychlorinated Biphenyl

PAH Polynuclear Aromatic Hydrocarbon

RAP Response Action Plan

REC Recognized Environmental Condition
RCRA Resource Conservation and Recovery Act
RF&P Richmond Fredericksburg and Potomac

ROW Right-of-Way
RA Risk Assessment

RBSL Risk Based Screening Level
SCR Site Characterization Report
TPH Total Petroleum Hydrocarbons

TCLP Toxicity Characterization Leaching Procedure

USTs Underground Storage Tanks

USCOE United States Army Corps of Engineers

VA Virginia

VDEQ Virginia Department of Environmental Quality

VHWMR Virginia Hazardous Waste Management Regulations VPDES Virginia Pollutant Discharge Elimination System

VRP VDEQ Voluntary Remediation Program

W&OD Washington & Old Dominion

WMATA Washington Metropolitan Area Transit Authority

APPENDIX B:

EDR, INC. SANBORN FIRE INSURANCE MAP AND CITY DIRECTORY SEARCH NOTIFICATIONS

Certified Sanborn® Map Report

4/03/12

Site Name: Client Name:

Potomac Yard Metrorail Station US Route 1 Jefferson Davis 516 East Alexandria, VA 22314 Trenton,

516 East State Street Trenton, NJ 08609

EDR Inquiry # 3295254.3 Contact: Lance Comas



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by AECOM were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Potomac Yard Metrorail Station EIS

Address: US Route 1 Jefferson Davis Highway

City, State, Zip: Alexandria, VA 22314

Cross Street:

P.O. # 60248359.0001 Project: 60248359.0001 Certification # 01CA-4FE6-AA28



Sanborn® Library search results Certification # 01CA-4FE6-AA28

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

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Library of Congress

✓ University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Potomac Yard Metrorail Station EIS

US Route 1 Jefferson Davis Highway Alexandria, VA 22314

Inquiry Number: 3295254.6

April 03, 2012

The EDR-City Directory Abstract



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Executive Summary

Findings

City Directory Images

Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1921 through 2003. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	Source	<u>TP</u>	<u>Adjoining</u>	Text Abstract	Source Image
2003	HAINES & CO INC	-	-	-	-
1979	HILL DIRECTORY CO INC. PUBLISHERS	-	-	-	-
1974	HILL DIRECTORY CO INC. PUBLISHERS	-	-	-	-
1971	HILLS DIRECTORY CO.	-	-	-	-
1969	HILLS DIRECTORY CO.	-	-	-	-
1966	HILLS DIRECTORY CO.	-	-	-	-
1962	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1961	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1958	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1952	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1948	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1942	HILLS DIRECTORY CO. INC. PUBLISHERS	-	-	-	-
1936	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1930	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1926	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1921	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

US Route 1 Jefferson Davis Highway Alexandria, VA 22314

FINDINGS DETAIL

Target Property research detail.

No Addresses Found

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Addresses Found

3295254-6 Page 3

APPENDIX C:

HISTORICAL TOPOGRAPHIC MAPS

Potomac Yard Metrorail Station EIS

US Route 1 Jefferson Davis Highway Alexandria, VA 22314

Inquiry Number: 3295254.4

April 03, 2012

EDR Historical Topographic Map Report



EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

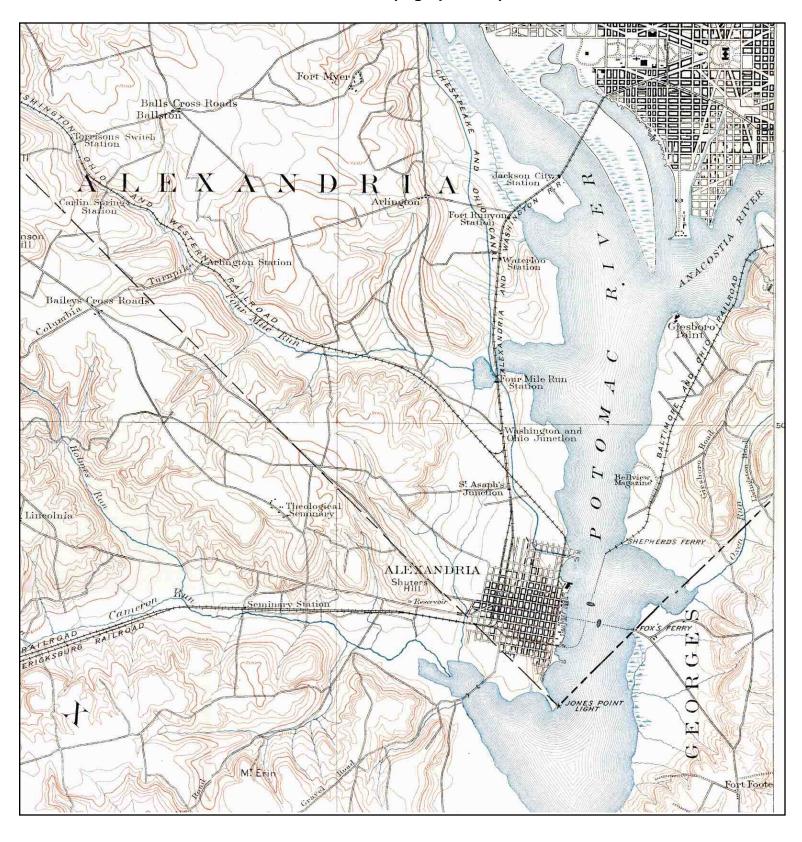
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TARGET QUAD WEST WASHINGTON

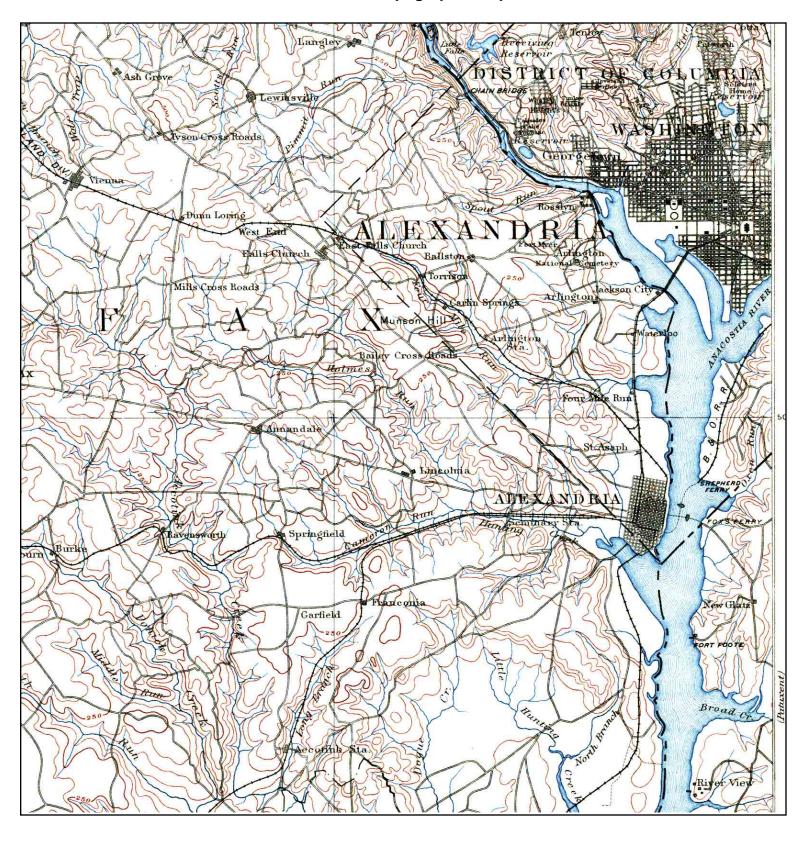
MAP YEAR: 1885

SERIES: 15 SCALE: 1:62500 SITE NAME: Potomac Yard Metrorail Station EIS

ADDRESS: US Route 1 Jefferson Davis

Highway

Alexandria, VA 22314 LAT/LONG: 38.8333 / -77.0475





NAME: MOUNT VERNON

MAP YEAR: 1894

SERIES: 30

SCALE: 1:125000

SITE NAME: Potomac Yard Metrorail Station EIS

ADDRESS: US Route 1 Jefferson Davis

Highway

Alexandria, VA 22314 LAT/LONG: 38.8333 / -77.0475





TARGET QUAD

NAME: WASHINGTON AND

VICINITY 2 OF 4

MAP YEAR: 1943

SERIES: 7.5 SCALE: 1:31680 SITE NAME: Potomac Yard Metrorail Station EIS

ADDRESS: US Route 1 Jefferson Davis

Highway

LAT/LONG:

Alexandria, VA 22314 38.8333 / -77.0475



TARGET QUAD

NAME: ALEXANDRIA

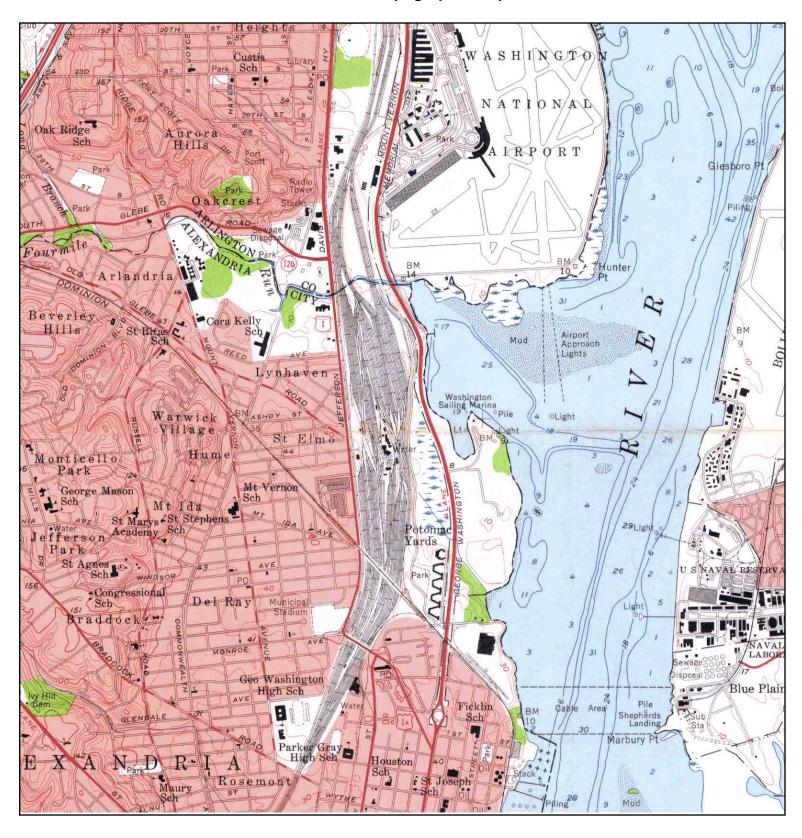
MAP YEAR: 1951

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Potomac Yard Metrorail Station EIS

ADDRESS: US Route 1 Jefferson Davis

Highway

Alexandria, VA 22314 LAT/LONG: 38.8333 / -77.0475



TARGET QUAD

NAME: ALEXANDRIA

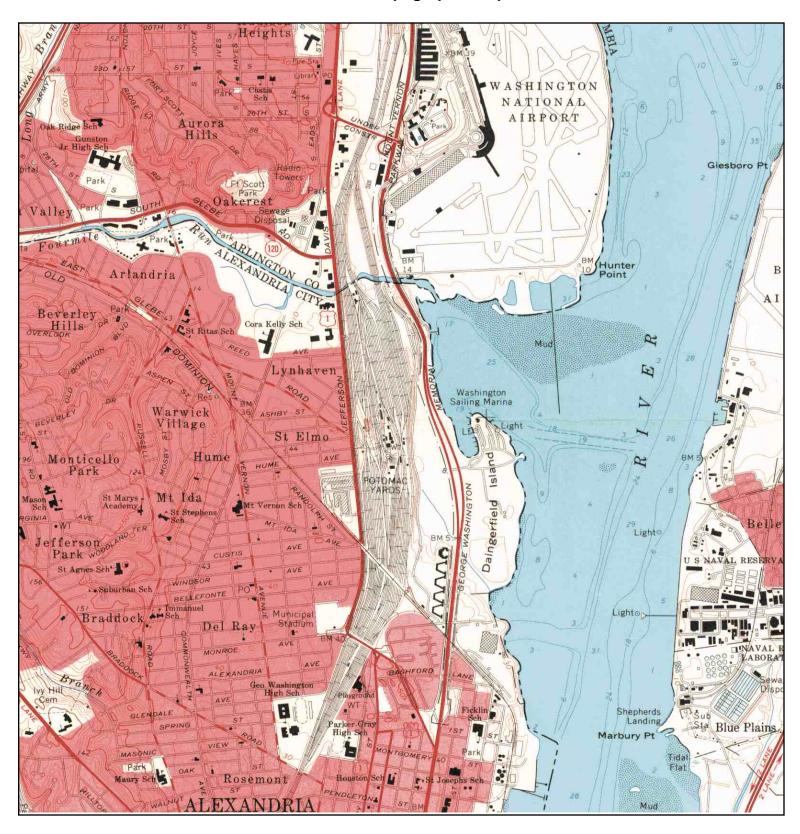
MAP YEAR: 1956

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Potomac Yard Metrorail Station EIS

ADDRESS: US Route 1 Jefferson Davis

Highway

Alexandria, VA 22314 LAT/LONG: 38.8333 / -77.0475



TARGET QUAD

NAME: ALEXANDRIA

MAP YEAR: 1965

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Potomac Yard Metrorail Station EIS

ADDRESS: US Route 1 Jefferson Davis

Highway

Alexandria, VA 22314 LAT/LONG: 38.8333 / -77.0475



TARGET QUAD

NAME: ALEXANDRIA MAP YEAR: 1971

PHOTOREVISED FROM: 1965

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Potomac Yard Metrorail Station EIS

ADDRESS: US Route 1 Jefferson Davis

Highway

Alexandria, VA 22314 LAT/LONG: 38.8333 / -77.0475



TARGET QUAD

Ν

NAME: ALEXANDRIA

MAP YEAR: 1972

PHOTOINSPECTED FROM: 1965

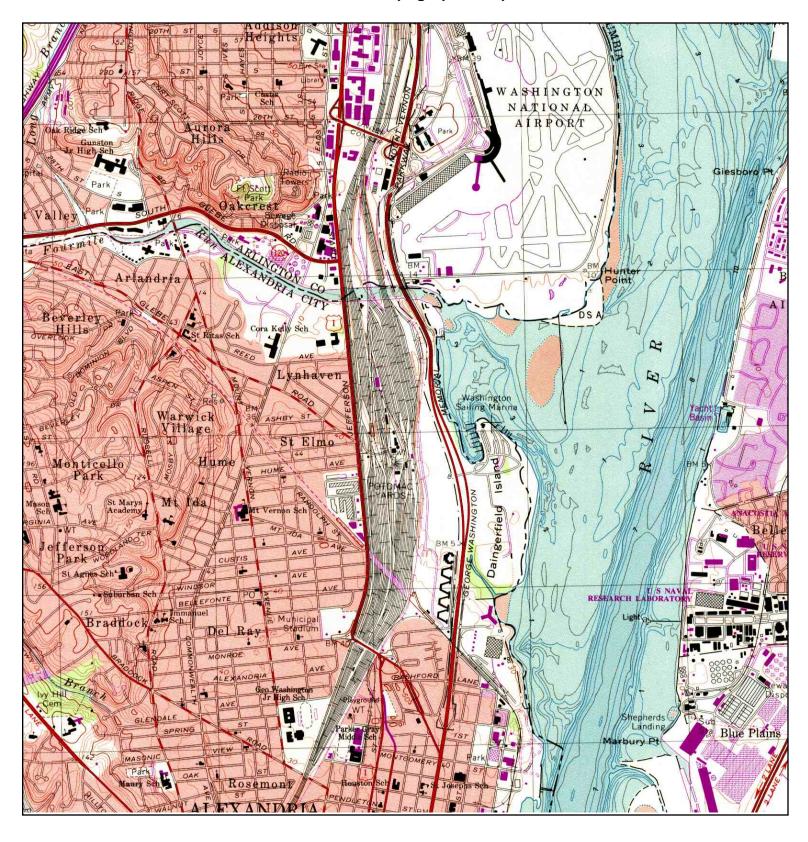
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Potomac Yard Metrorail Station EIS

ADDRESS: US Route 1 Jefferson Davis

Highway

Alexandria, VA 22314 LAT/LONG: 38.8333 / -77.0475

Historical Topographic Map



TARGET QUAD

Ν

NAME: ALEXANDRIA MAP YEAR: 1983

PHOTOREVISED FROM: 1965

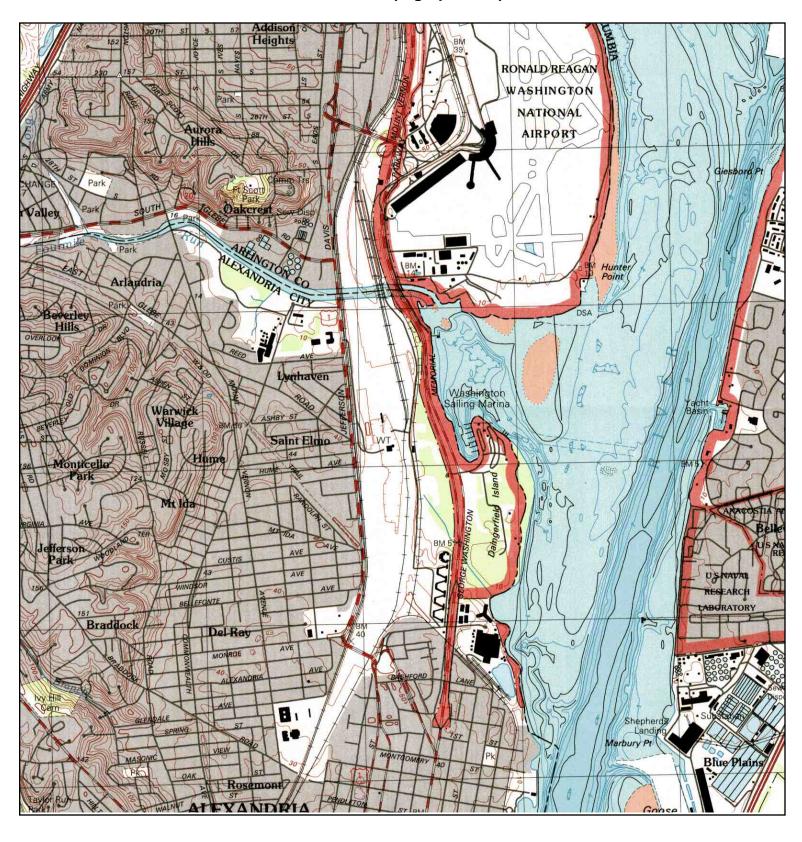
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Potomac Yard Metrorail Station EIS

ADDRESS: US Route 1 Jefferson Davis

Highway

Alexandria, VA 22314 LAT/LONG: 38.8333 / -77.0475 CLIENT: AECOM
CONTACT: Lance Comas
INQUIRY#: 3295254.4
RESEARCH DATE: 04/03/2012

Historical Topographic Map





TARGET QUAD

NAME: ALEXANDRIA

MAP YEAR: 1994

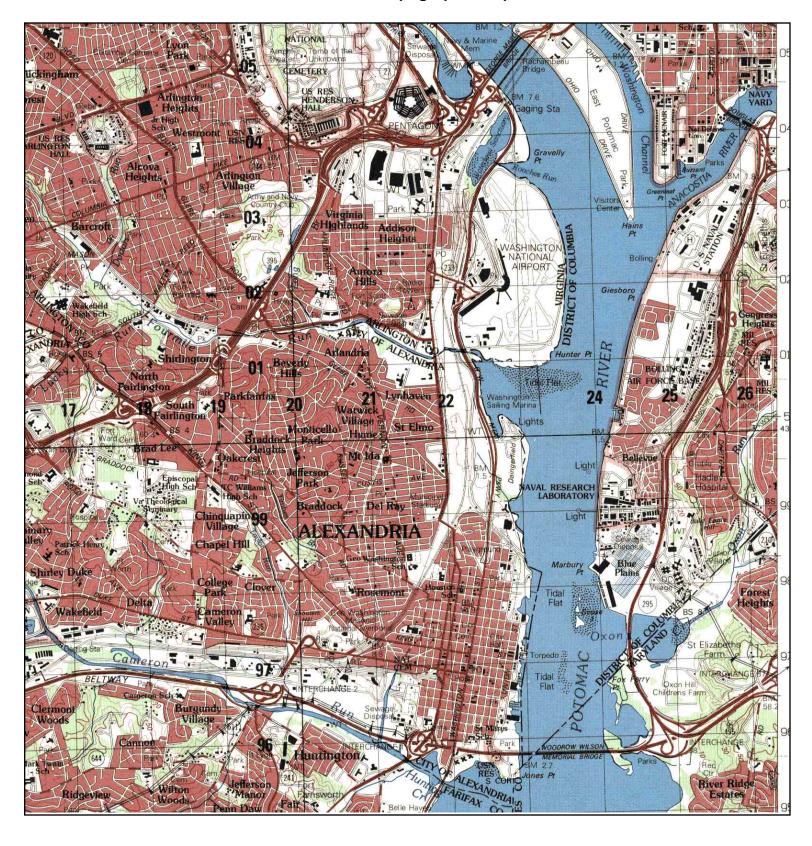
SERIES: 7.5 SCALE: 1:24000 SITE NAME: Potomac Yard Metrorail Station EIS

ADDRESS: US Route 1 Jefferson Davis

Highway

Alexandria, VA 22314 LAT/LONG: 38.8333 / -77.0475 CLIENT: AECOM
CONTACT: Lance Comas
INQUIRY#: 3295254.4
RESEARCH DATE: 04/03/2012

Historical Topographic Map



TARGET QUAD

NAME: ALEXANDRIA

MAP YEAR: 1994

SERIES: 15 SCALE: 1:50000 SITE NAME: Potomac Yard Metrorail Station EIS

ADDRESS: US Route 1 Jefferson Davis

Highway

Alexandria, VA 22314 LAT/LONG: 38.8333 / -77.0475 CLIENT: AECOM
CONTACT: Lance Comas
INQUIRY#: 3295254.4
RESEARCH DATE: 04/03/2012

APPENDIX D:

HISTORICAL AERIAL PHOTOGRAPHS

Potomac Yard Metrorail Station EIS

US Route 1 Jefferson Davis Highway Alexandria, VA 22314

Inquiry Number: 3295254.5

April 04, 2012

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography April 04, 2012

Target Property:

US Route 1 Jefferson Davis Highway Alexandria, VA 22314

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1949	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: March 04, 1949	EDR
1949	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: March 04, 1949	EDR
1957	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: June 13, 1957	EDR
1957	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: June 13, 1957	EDR
1959	Aerial Photograph. Scale: 1"=1000'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: November 09, 1959	EDR
1962	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: July 10, 1962	EDR
1962	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: July 10, 1962	EDR
1964	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: September 26, 1964	EDR
1964	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: September 26, 1964	EDR
1970	Aerial Photograph. Scale: 1"=1000'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: June 28, 1970	EDR
1974	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: February 05, 1974	EDR
1974	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: February 05, 1974	EDR
1980	Aerial Photograph. Scale: 1"=750'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: May 16, 1980	EDR
1994	Aerial Photograph. Scale: 1"=750'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: March 17, 1994	EDR
1998	Aerial Photograph. Scale: 1"=750'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: February 09, 1998	EDR
2000	Aerial Photograph. Scale: 1"=750'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: March 24, 2000	EDR
2002	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: April 07, 2002	EDR
2002	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA;/Flight Date: April 07, 2002	EDR





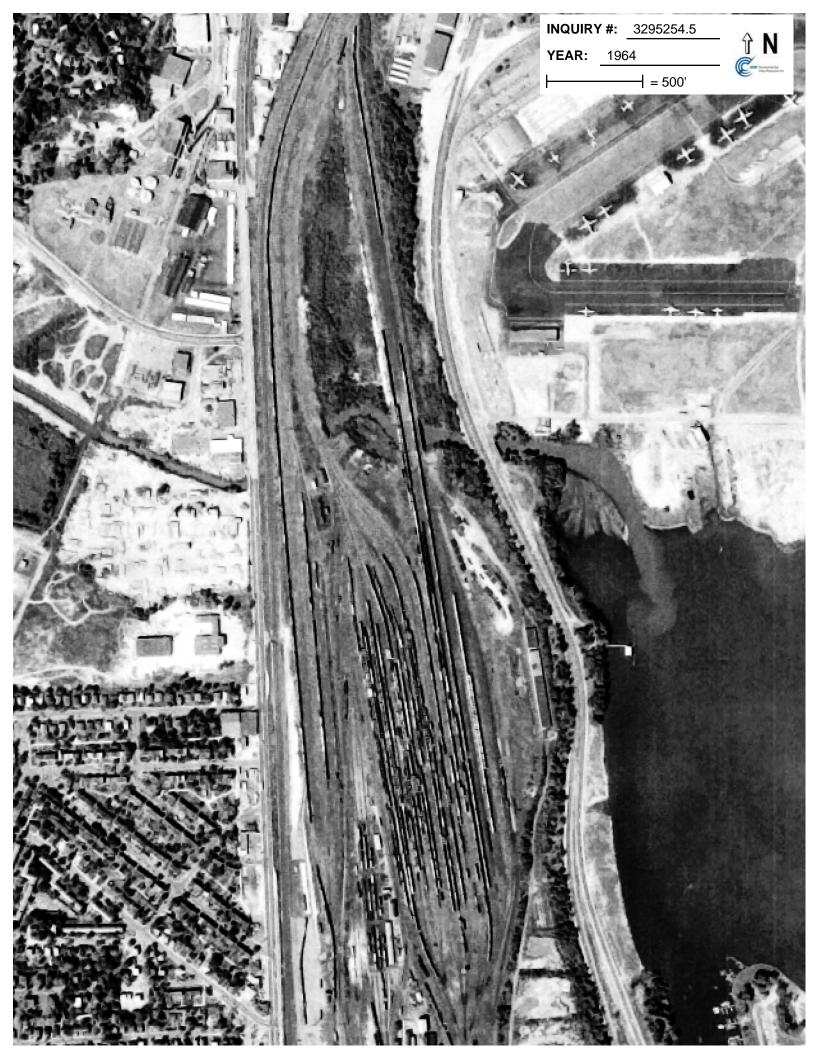




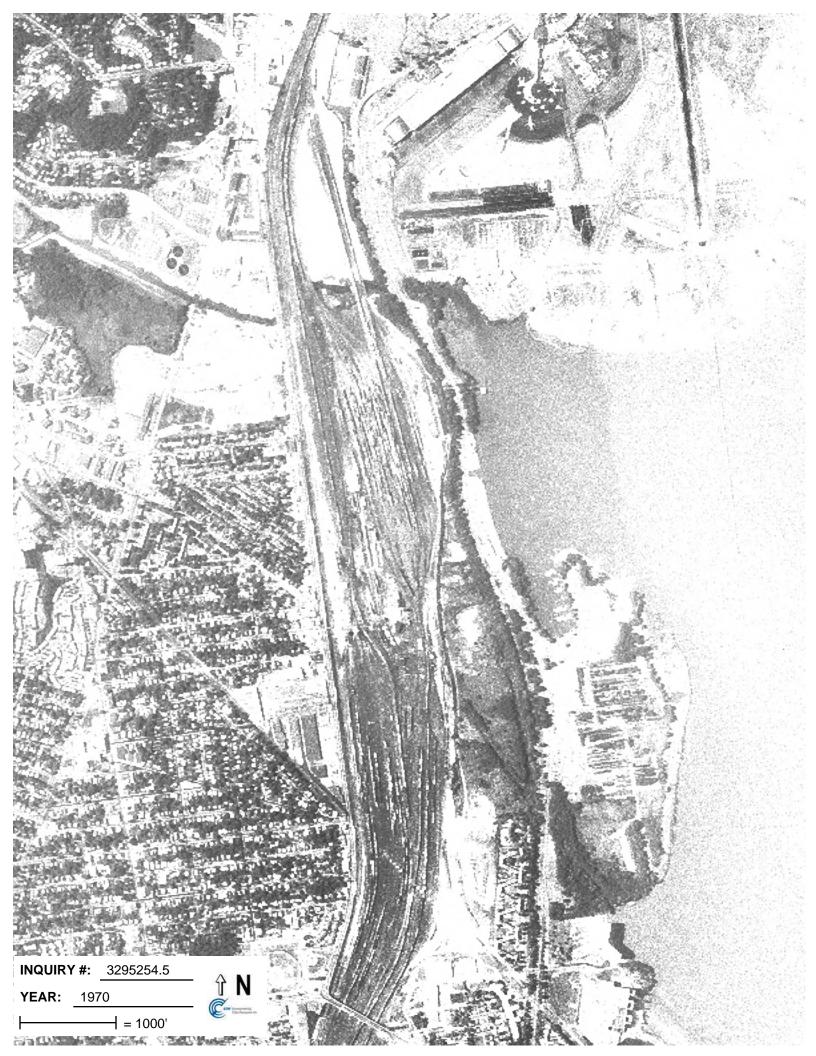








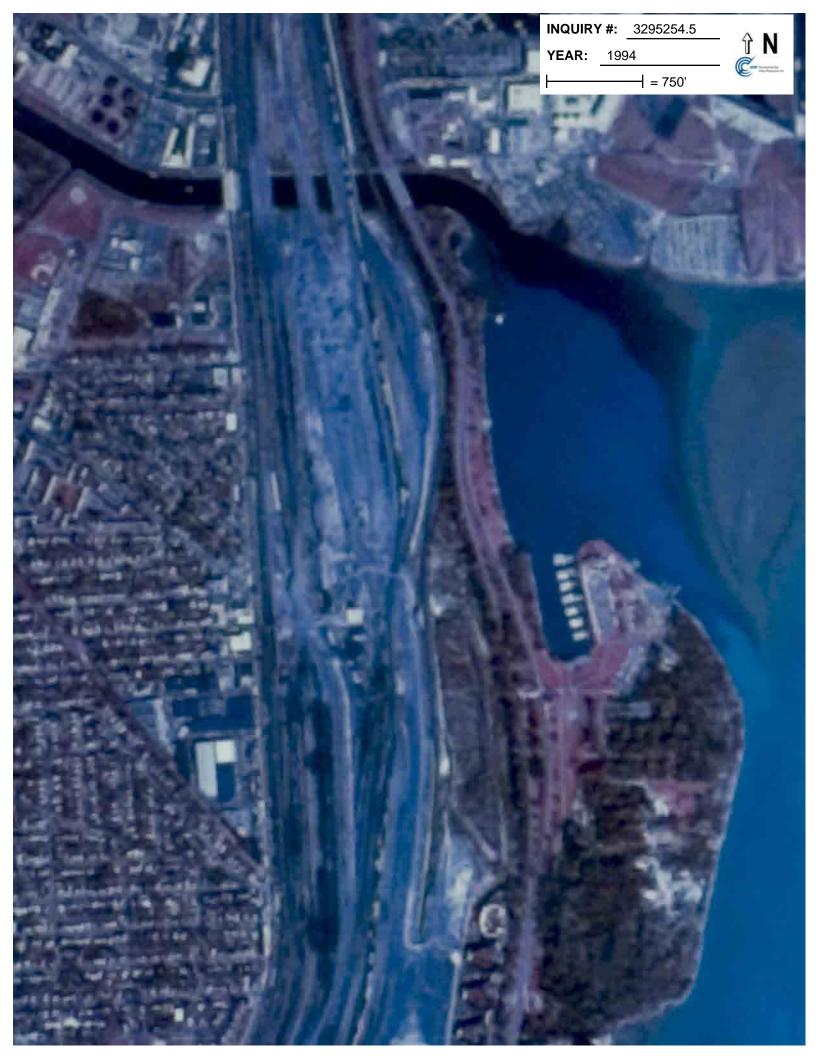


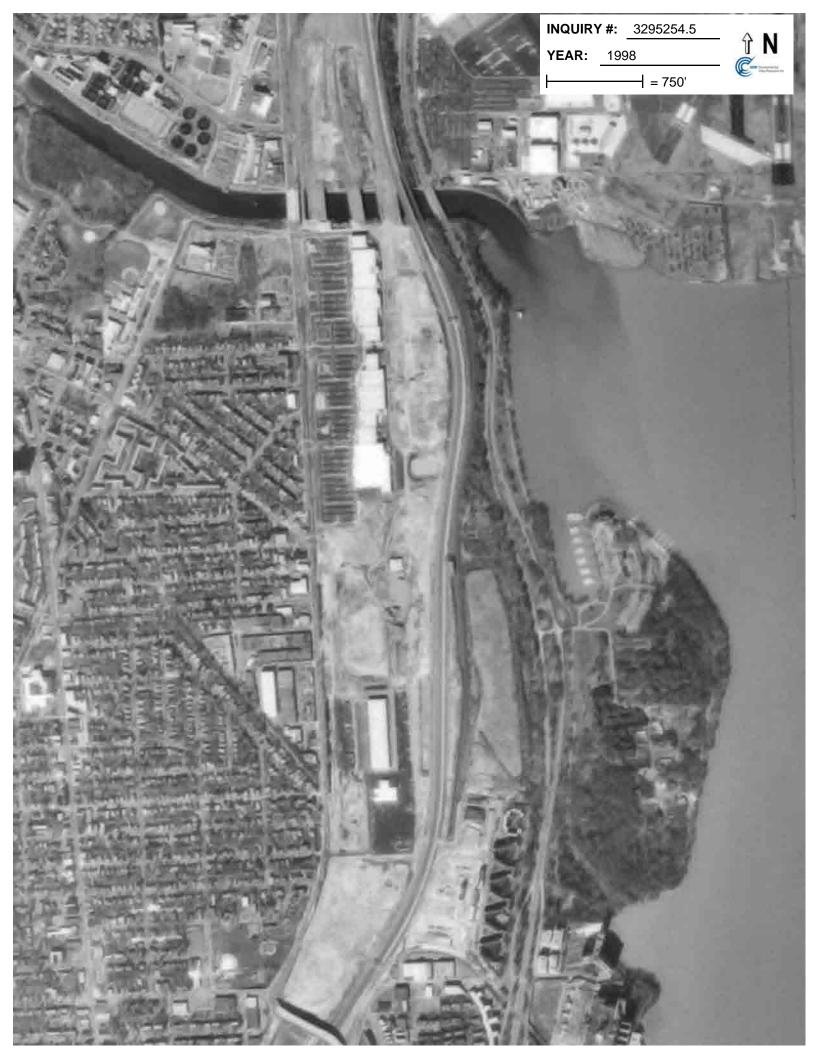


















APPENDIX E:

DATABASE RADIUS REPORT

Potomac Yard Metrorail Station EIS US Route 1 Jefferson Davis Highway Alexandria, VA 22314

Inquiry Number: 3295254.2s

April 03, 2012

The EDR Radius Map™ Report with GeoCheck®

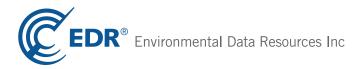


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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

US ROUTE 1 JEFFERSON DAVIS HIGHWAY ALEXANDRIA, VA 22314

COORDINATES

Latitude (North): 38.8333000 - 38° 49' 59.88" Longitude (West): 77.0475000 - 77° 2' 51.00"

Universal Tranverse Mercator: Zone 18 UTM X (Meters): 322275.4 UTM Y (Meters): 4300062.0

Elevation: 32 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 38077-G1 ALEXANDRIA, VA

Most Recent Revision: 1994

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2009 Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
POTOMAC YARD SITE 2900 JEFFERSON DAVIS PKY ALEXANDI ALEXANDRIA, VA 22305	ICIS RIA VA 22305	N/A
WMATA- POTOMAC R&R YARD 3601 JEFFERSON DAVIS HIGHWAY ALEXANDRIA, VA 22305	VA TIER 2	N/A
POTOMAC YARD SITE 2900 JEFFERSON DAVIS PKY ALEXANDRIA, VA 22305	FINDS	N/A

RF&P POTOMAC YARD TRAIN WRECK 2500 BLOCK JEFFERSON DAVIS HIGHWAY ALEXANDRIA, VA 0 VA LUST Facility Status: Closed Facility Status: Closed

*Additional key fields are available in the Map Findings section

N/A

N/A

VA LTANKS Facility Status: Closed

VA FINANCIAL ASSURANCE

POTOMAC YARD 2801 JEFFERSON DAVIS HWY ALEXANDRIA, VA 22301 VA UST

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

Proposed NPL Proposed National Priority List Sites

NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP...... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG______RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries
--

US ENG CONTROLS...... Engineering Controls Sites List US INST CONTROL...... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NPL list.

DC SHWS...... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal

NPL list.

State and tribal landfill and/or solid waste disposal site lists

VA SWF/LF..... Solid Waste Management Facilities

DC SWF/LF..... Solid Waste Facility Listing

State and tribal leaking storage tank lists

DC LUST..... District of Columbia LUST Cases

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

DC UST______Underground Storage Tank Database List

DC AST..... List of Aboveground Storage Tanks

INDIAN UST...... Underground Storage Tanks on Indian Land

FEMA UST...... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

VA ENG CONTROLS..... Engineering Controls Sites Listing

State and tribal voluntary cleanup sites

DC VCP......Voluntary Cleanup Program Sites INDIAN VCP.....Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

VA BROWNFIELDS..... Brownfields Site Specific Assessments

DC BROWNFIELDS..... Brownfields Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

..... Clandestine Drug Labs

US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS_____Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

DOT OPS..... Incident and Accident Data DOD...... Department of Defense Sites FUDS..... Formerly Used Defense Sites

CONSENT..... Superfund (CERCLA) Consent Decrees

ROD...... Records Of Decision UMTRA..... Uranium Mill Tailings Sites MINES..... Mines Master Index File

TRIS______ Toxic Chemical Release Inventory System TSCA______ Toxic Substances Control Act

FTTS......FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS...... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems PADS..... PCB Activity Database System MLTS..... Material Licensing Tracking System RADINFO...... Radiation Information Database

RAATS......RCRA Administrative Action Tracking System

VA DRYCLEANERS...... Drycleaner List

VA ENF..... Enforcement Actions Data

VA NPDES..... Comprehensive Environmental Data System

INDIAN RESERV..... Indian Reservations

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

VA COAL ASH..... Coal Ash Disposal Sites

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database COAL ASH DOE...... Sleam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 12/27/2011 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RICHMOND FREDERICKSBURG & POTO	POTOMAC YARD	W 1/8 - 1/4 (0.150 mi.)	9	44

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 11/10/2011 has revealed that there are 9 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOODYEAR AUTO SERVICE CTR - AL	3300 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.176 mi.)	L39	162
CROWN STATION VA-07	3216 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.179 mi.)	L55	187
ACTION AUTO BODY	2402 OAKVILLE ST	W 1/8 - 1/4 (0.206 mi.)	O62	226
DELANCEY PRINTING & PUB INC	444 SWANN AVE	W 1/8 - 1/4 (0.210 mi.)	K65	233
PEPSI COLA	405 FANNON ST	W 1/8 - 1/4 (0.235 mi.)	071	290
Lower Elevation	Address	Direction / Distance	Map ID	Page
HERTZ CORP	3800 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.153 mi.)	C12	<i>7</i> 5
CRYSTAL CAR CARE INC	3700 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.158 mi.)	D15	109
WAGONWORK CORP	3406 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.170 mi.)	G26	121
WMATA FOUR MILE RUN	3501 SOUTH GLEBE ROAD	W 1/8 - 1/4 (0.216 mi.)	P66	238

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 11/10/2011 has revealed that there are 6 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TARGET STORE #1076	3101 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.169 mi.)	24	119
EXXON CO USA 20388	2320 FANNON ST	W 1/8 - 1/4 (0.171 mi.)	F27	126
CARSONS AUTO WORKS	2340 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.173 mi.)	F34	141
NTB # 606	2800 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.178 mi.)	H47	179
Lower Elevation	Address	Direction / Distance	Map ID	Page
HEISHMAN BMW INC	3154 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.139 mi.)	B7	23
HEISHMAN BMW INC	3154 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.139 mi.)	B8	25

State and tribal leaking storage tank lists

VA LUST: The Leaking Underground Storage Tank Database.

A review of the VA LUST list, as provided by EDR, and dated 05/18/2004 has revealed that there are 17 VA LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RF&P (XREF 91-1668) Facility Status: Closed Facility Status: Closed *Additional key fields are available in	2801 JEFFERSON DAVIS HI the Map Findings section	W 1/8 - 1/4 (0.168 mi.)	H23	117
JUST TIRES Facility Status: Closed	3300 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.176 mi.)	L40	164
EMORY AIR FREIGHT Facility Status: Closed	2800 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.178 mi.)	H46	178
CROWN #VA-007 Facility Status: Closed Facility Status: Open	3216 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.179 mi.)	L54	185
OAKVILLE INDUSTRIAL PARK Facility Status: Closed Facility Status: Open	2402 OAKVILLE STREET	W 1/8 - 1/4 (0.206 mi.)	O61	225
HUD PROPERTY Facility Status: Closed	519 EAST CUSTIS AVENUE	W 1/8 - 1/4 (0.228 mi.)	Q70	289
DWYER PROPERTY Facility Status: Closed	416 EAST RAYMOND AVENU	JEW 1/4 - 1/2 (0.281 mi.)	U81	305
AES OF WASHINGTON, INC. Facility Status: Closed	300 SWANN AVENUE	W 1/4 - 1/2 (0.304 mi.)	83	305
CITY OF ALEXANDRIA Facility Status: Closed	1505 POWHATAN STREET	SSW 1/4 - 1/2 (0.353 mi.)	86	310

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VIRGINIA POWER PROPERTY Facility Status: Closed	501 EAST MONROE AVENUE	SW 1/4 - 1/2 (0.437 mi.)	V92	315
Lower Elevation	Address	Direction / Distance	Map ID	Page
TOWN OF SLATERS VILLAGE Facility Status: Closed	POTOMAC YARD	E 0 - 1/8 (0.041 mi.)	6	22
HERTZ CORP. Facility Status: Closed Facility Status: Closed	3800 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.153 mi.)	C13	90
VDOT - CRYSTAL CITY/FOUR MILE Facility Status: Closed Facility Status: Closed *Additional key fields are available in the	2910 JEFFERSON DAVIS HI Map Findings section	NNW 1/8 - 1/4 (0.176 mi.)	M41	164
FAA -REAGAN NATIONAL AIRPORT O Facility Status: Closed	REAGAN NAITONAL AIRPORT	Γ ENE 1/8 - 1/4 (0.194 mi.)	N59	223
VIRGINIA PUBLIC WORKS YARD Facility Status: Closed	31ST AND EADS STREETS	NW 1/8 - 1/4 (0.249 mi.)	S76	298
NATIONAL CAR RENTAL Facility Status: Closed	117 EAST REED AVENUE	W 1/4 - 1/2 (0.256 mi.)	T78	302
ALAMO RENT-A-CAR Facility Status: Closed	2780 JEFFERSON DAVIS HI	NNW 1/4 - 1/2 (0.331 mi.)	84	306

VA LTANKS: The Leaking Tanks Database contains current Leaking petroleum tanks. The data comes from the Department of Environmental Quality.

A review of the VA LTANKS list, as provided by EDR, and dated 12/01/2011 has revealed that there are 29 VA LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AVIS RENT A CAR SYSTEMS, INC. Facility Status: Closed	2301 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.166 mi.)	F21	116
RF&P (XREF 91-1668) Facility Status: Closed Facility Status: Closed *Additional key fields are available in the I	2801 JEFFERSON DAVIS HI Map Findings section	W 1/8 - 1/4 (0.168 mi.)	Н23	117
MOUNT VERNON PETROLEUM REALTY Facility Status: Closed	2320 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.173 mi.)	F33	140
OAKVILLE INDUSTRIAL PARK Facility Status: Closed		W 1/8 - 1/4 (0.175 mi.)	K37	156
JUST TIRES Facility Status: Closed	3300 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.176 mi.)	L40	164
EMORY AIR FREIGHT Facility Status: Closed	2800 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.178 mi.)	H46	178
CROWN #VA-007 Facility Status: Closed Facility Status: Closed	3216 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.179 mi.)	L54	185
OAKVILLE INDUSTRIAL PARK - BUI Facility Status: Closed	2520 OAKVILLE ST	W 1/8 - 1/4 (0.209 mi.)	J64	231

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUD PROPERTY Facility Status: Closed	519 E CUSTIS AVE	W 1/8 - 1/4 (0.228 mi.)	Q69	289
DWYER PROPERTY Facility Status: Closed	416 E RAYMOND AVE	W 1/4 - 1/2 (0.281 mi.)	U80	305
1ST CHOICE BODY SHOP Facility Status: Closed	525 31ST ST S	WNW 1/4 - 1/2 (0.285 mi.)	82	305
AES OF WASHINGTON, INC. Facility Status: Closed	300 SWANN AVENUE	W 1/4 - 1/2 (0.304 mi.)	83	305
GULLOTT CHRISTIAN AND KRISTEN Facility Status: Closed	2405 LESLIE AVE	W 1/4 - 1/2 (0.384 mi.)	89	315
VIRGINIA POWER PROPERTY Facility Status: Closed	501 E MONROE AVE	SW 1/4 - 1/2 (0.437 mi.)	V91	315
Lower Elevation	Address	Direction / Distance	Map ID	Page
TOWN OF SLATERS VILLAGE Facility Status: Closed	POTOMAC YARD	E 0 - 1/8 (0.041 mi.)	6	22
HERTZ CORP. Facility Status: Closed Facility Status: Closed *Additional key fields are available in the	3800 JEFFERSON DAVIS HI Map Findings section	W 1/8 - 1/4 (0.153 mi.)	C13	90
ALEXANDRIA CITY PROPERTY Facility Status: Closed	3600 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.163 mi.)	E18	113
VDOT - CRYSTAL CITY FOUR MILE Facility Status: Closed	2910 JEFFERSON DAVIS HW	NNW 1/8 - 1/4 (0.176 mi.)	M44	178
THRIFTY CAR RENTAL Facility Status: Closed	2900 JEFFERSON DAVIS HI	NNW 1/8 - 1/4 (0.176 mi.)	M45	178
FAA - REAGAN NATIONAL AIRPORT Facility Status: Closed	RONALD REAGAN WASHING	T © NE 1/8 - 1/4 (0.194 mi.)	N57	188
WMATA - FOUR MILE RUN BUS GARA Facility Status: Closed Facility Status: Closed *Additional key fields are available in the	3501 S GLEBE RD Map Findings section	W 1/8 - 1/4 (0.216 mi.)	P67	254
VIRGINIA PUBLIC WORKS YARD Facility Status: Closed	31ST AND EADS STREETS	NW 1/8 - 1/4 (0.249 mi.)	S76	298
NATIONAL CAR RENTAL Facility Status: Closed	117 E REED AVE	W 1/4 - 1/2 (0.256 mi.)	T79	303
ALAMO RENT-A-CAR Facility Status: Closed	2780 JEFFERSON DAVIS HI	NNW 1/4 - 1/2 (0.331 mi.)	84	306
ARLINGTON POTW Facility Status: Closed Facility Status: Closed *Additional key fields are available in the	3401 S GLEBE RD Map Findings section	W 1/4 - 1/2 (0.349 mi.)	85	309
HYATT HOTEL Facility Status: Closed	2799 JEFFERSON DAVIS HI	NNW 1/4 - 1/2 (0.356 mi.)	87	311
501 SLATERS LANE Facility Status: Closed	501 SLATERS LANE	SE 1/4 - 1/2 (0.379 mi.)	88	313
CORA B KELLY SCHOOL Facility Status: Closed	3600 COMMONWEALTH AVE	W 1/4 - 1/2 (0.431 mi.)	90	315

	ance Map ID	Page
S 1/4 - 1/2 (0.487)	mi.) 93	316

State and tribal registered storage tank lists

VA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Underground Storage Tank Data Notification Information.

A review of the VA UST list, as provided by EDR, and dated 12/01/2011 has revealed that there are 22 VA UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AVIS RENT A CAR SYSTEM INC	2301 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.166 mi.)	F20	114
POTOMAC OXYGEN CO	2200 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.172 mi.)	F28	128
MOBIL S/S 16HQL	JEFFERSON DAVIS HWY	W 1/8 - 1/4 (0.173 mi.)	I31	130
EXXON #20388	2320 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.173 mi.)	F32	134
OAKVILLE INDUSTRIAL PARK - BLD	2604 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.175 mi.)	K38	157
MOBIL OIL CORPORATION	3014 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.178 mi.)	152	181
OAKVILLE INDUSTRIAL PARK - BUI	2402 OAKVILLE ST BLDG 2	W 1/8 - 1/4 (0.206 mi.)	O60	224
OAKVILLE INDUSTRIAL PARK - BUI	2500 OAKVILLE ST	W 1/8 - 1/4 (0.209 mi.)	J63	229
OAKVILLE INDUSTRIAL PARK - BUI	2520 OAKVILLE ST	W 1/8 - 1/4 (0.209 mi.)	J64	231
I MARK CORP	408 E GLEBE RD	W 1/8 - 1/4 (0.226 mi.)	68	287
PEPSI COLA BOTTLING OF WASHING	405 FANNON ST	W 1/8 - 1/4 (0.235 mi.)	O72	291
OAKVILLE INDUSTRIAL PARK - BUI	405 MURRAY AVE BLDG 4	W 1/8 - 1/4 (0.243 mi.)	O73	293
BEATRICE DAIRY PRODUCTS INC	400 CALVERT AVE	W 1/8 - 1/4 (0.247 mi.)	R75	297
Lower Elevation	Address	Direction / Distance	Map ID	Page
HEISHMAN BMW INC	3154 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.139 mi.)	B8	25
HERTZ RENT A CAR (AREA 1898-11	3800 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.153 mi.)	C11	53
VIRGINIA ADJUSTABLE-BED MFG CO	3700 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.158 mi.)	D17	111
WAGONWORK CORP	3406 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.170 mi.)	G26	121
KENNING CAR RENTAL	2804 JEFFERSON DAVIS HW	NNW 1/8 - 1/4 (0.176 mi.)	M42	168
THRIFTY CAR RENTAL (FORMER)	2900 JEFFERSON DAVIS HW	NNW 1/8 - 1/4 (0.176 mi.)	M43	171
WASHINGTON DULLES INTRNTNL AIR	RONALD REAGAN WASHING	,	N58	188
WMATA - FOUR MILE RUN BUS GARA	3501 S GLEBE RD	W 1/8 - 1/4 (0.216 mi.)	P67	254
ARLINGTON COUNTY REFUSE TRANSF	500 31ST ST S	NW 1/8 - 1/4 (0.249 mi.)	S77	299

VA AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Quality's Aboveground Storage Tank Data Notification Information.

A review of the VA AST list, as provided by EDR, and dated 12/01/2011 has revealed that there are 2 VA AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HERTZ RENT A CAR (AREA 1898-11	3800 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.153 mi.)	C10	50
WMATA - FOUR MILE RUN BUS GARA	3501 S GLEBE RD	W 1/8 - 1/4 (0.216 mi.)	P67	254

State and tribal institutional control / engineering control registries

Sites included in the Voluntary Remediation Program that have Deed Restrictions.

A review of the VA INST CONTROL list, as provided by EDR, and dated 01/20/2012 has revealed that there is 1 VA INST CONTROL site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HERTZ CORP.	3800 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.153 mi.)	C13	90

State and tribal voluntary cleanup sites

VA VCP: The Voluntary Remediation Program encourages owners of selected contaminated sites to take the initiative to conduct voluntary cleanups that meet state environmental standards. These sites are generally either open dumps or unpermitted solid waste disposal facilities. VRP sites can not be listed on the NPL, nor can they involve disposed RCRA hazardous wastes. The source of this data is the Department of Environmental Quality.

A review of the VA VCP list, as provided by EDR, and dated 01/20/2012 has revealed that there are 2 VA VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OAKVILLE INDUSTRIAL PARK	2500 TO 2600 JEFFERSON	W 1/8 - 1/4 (0.175 mi.)	J35	143
Lower Elevation	Address	Direction / Distance	Map ID	Page
HERTZ CORP.	3800 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.153 mi.)	C13	90

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 11/10/2011 has revealed that there are 4 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
RICHMOND FREDERICKSBURG & POTO	POTOMAC YARD	W 1/8 - 1/4 (0.150 mi.)	9	44	
CRYSTAL CITY AUTO CENTER INC	2604 JEFFERSON DAVIS HI	W 1/8 - 1/4 (0.175 mi.)	K36	146	
COMMARCO IBS	447 CALVERT LANE	W 1/8 - 1/4 (0.245 mi.)	R74	295	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
ALEXANDRIA TOYOTA SITE	3800 JEFFERSON DAVIS HW	W 1/8 - 1/4 (0.155 mi.)	C14	95	

EDR PROPRIETARY RECORDS

EDR Proprietary Records

EDR Historical Auto Stations: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

A review of the EDR Historical Auto Stations list, as provided by EDR, has revealed that there are 12 EDR Historical Auto Stations sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRANK S ESSO SERVICENTER	2300 JEFFERSON DAVIS	W 1/8 - 1/4 (0.173 mi.)	F29	130
JONES GARAGE INC	2102 JEFFERSON DAVIS	W 1/8 - 1/4 (0.173 mi.)	F30	130
CARTER S GARAGE	2804 JEFFERSON DAVIS	W 1/8 - 1/4 (0.178 mi.)	H48	180
JIM S GARAGE	3006 JEFFERSON DAVIS	W 1/8 - 1/4 (0.178 mi.)	149	181
POWELL S GARAGE	3008 JEFFERSON DAVIS	W 1/8 - 1/4 (0.178 mi.)	150	181
POWEL S GARAGE	3012 JEFFERSON DAVIS	W 1/8 - 1/4 (0.178 mi.)	I51	181
COPE AUTO REPAIR	3014 JEFFERSON DAVIS	W 1/8 - 1/4 (0.178 mi.)	153	185
CROWN GAS STATION	3216 JEFFERSON DAVIS	W 1/8 - 1/4 (0.179 mi.)	L56	188
Lower Elevation	Address	Direction / Distance	Map ID	Page
AUTO SPECIALISTS	3700 JEFFERSON DAVIS	W 1/8 - 1/4 (0.158 mi.)	D16	111
CAR APPERANCE CENTER	3600 JEFFERSON DAVIS	W 1/8 - 1/4 (0.163 mi.)	E19	114
RECONDITION REPAIR SHOP	3500 JEFFERSON DAVIS	W 1/8 - 1/4 (0.167 mi.)	G22	117
WAGON WORK CORP	3406 JEFFERSON DAVIS	W 1/8 - 1/4 (0.170 mi.)	G25	121

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name Database(s)

USA CAMERON STATION FEDERAL FACILITY

GOODWIN JUNKYARD SITE CERCLIS,RCRA-NLR,FINDS

CHERRY HILL LANDFILL CERCLIS-NFRAP RFP YARD LTANKS

CROWN VA 007 UST

OAKVILLE INDUSTRIAL PARK RCRA-SQG UNITED TRANSMISSIONS INC RCRA-SQG,FINDS

AUTO BENZ BODY SHOP FINDS,RCRA-CESQG,MANIFEST

US GEORGE WASHINGTON MEM PARKWAY FINDS,RCRA-CESQG

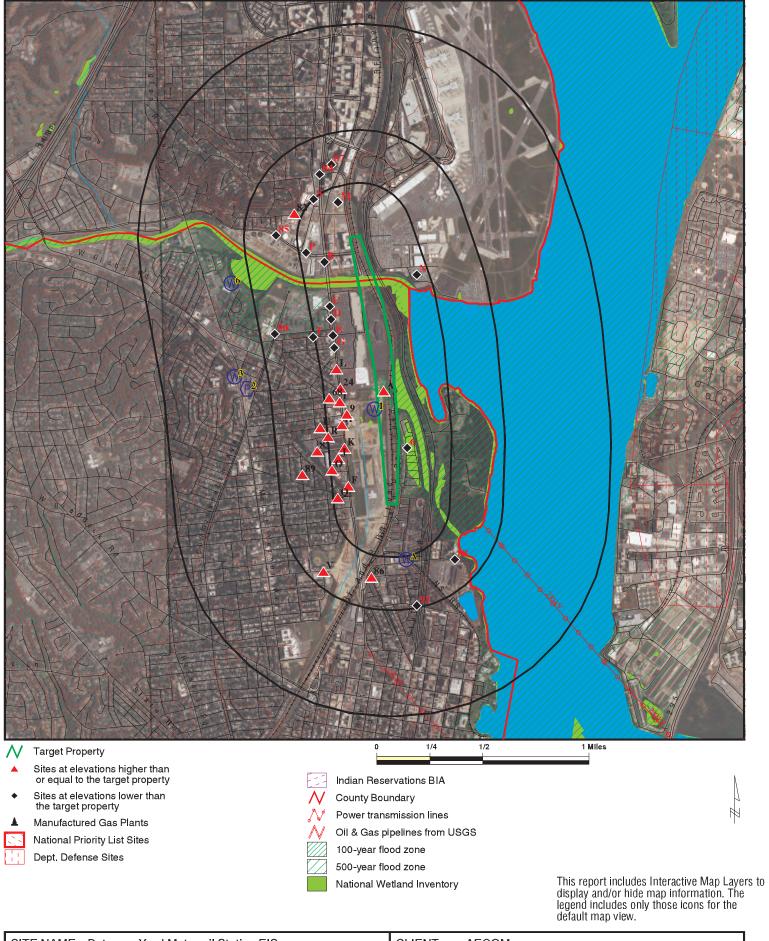
BRADDOCK RD AND KING ST STATION ERNS
32165 JEFFERSON DAVIS HWY CROWN CE ERNS
POTOMAC RIVER ERNS

POTOMAC RIVER
POTOMAC RIVER
ERNS
ON THE POTOMAC RIVER
FIRE STATION
POTOMAC RIVER
FINDS

POTOMAC TRANSMISSION SPILLS WC
GW MEMORIAL PARKWAY MAINT. YARD SPILLS WC

7 ROUTE 73 SOUTH VCP
POTOMAC RIVER GENERATING STATION ICIS

OVERVIEW MAP - 3295254.2s



SITE NAME: Potomac Yard Metrorail Station EIS US Route 1 Jefferson Davis Highway Alexandria VA 22314 ADDRESS:

LAT/LONG: 38.8333 / 77.0475 CLIENT: CONTACT: **AECOM** Lance Comas INQUIRY#: 3295254.2s

DATE: April 03, 2012 4:22 pm

DETAIL MAP - 3295254.2s



Potomac Yard Metrorail Station EIS US Route 1 Jefferson Davis Highway Alexandria VA 22314 SITE NAME: ADDRESS:

LAT/LONG: 38.8333 / 77.0475 CLIENT: CONTACT: **AECOM** Lance Comas INQUIRY #: 3295254.2s DATE:

April 03, 2012 4:23 pm Copyright © 2012 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 TP		0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS FEDERAL FACILITY	0.500 1.000		0 0	1 0	0 0	NR 0	NR NR	1 0
Federal CERCLIS NFRA	P site List							
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 9 6	NR NR NR	NR NR NR	NR NR NR	0 9 6
Federal institutional controls / engineering controls registries								
US ENG CONTROLS US INST CONTROL	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
VA SHWS DC SHWS	N/A N/A		N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
State and tribal landfill and/or solid waste disposal site lists								
VA SWF/LF DC SWF/LF	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal leaking storage tank lists								
VA LUST DC LUST VA LTANKS	0.500 0.500 0.500	1 1	1 0 1	10 0 16	6 0 12	NR NR NR	NR NR NR	18 0 30

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registere	d storage tai	nk lists						
VA UST DC UST VA AST DC AST INDIAN UST FEMA UST	0.250 0.250 0.250 0.250 0.250 0.250	1	0 0 0 0 0	22 0 2 0 0 0	NR NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	23 0 2 0 0 0
State and tribal institutio control / engineering cor		ıs						
VA ENG CONTROLS VA INST CONTROL	0.500 0.500		0 0	0 1	0 0	NR NR	NR NR	0 1
State and tribal voluntary	/ cleanup site	es						
VA VCP DC VCP INDIAN VCP	0.500 0.500 0.500		0 0 0	2 0 0	0 0 0	NR NR NR	NR NR NR	2 0 0
State and tribal Brownfie	lds sites							
VA BROWNFIELDS DC BROWNFIELDS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
ADDITIONAL ENVIRONMEN	TAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Colid							
DEBRIS REGION 9 ODI INDIAN ODI	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL US HIST CDL	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Local Land Records								
LIENS 2 LUCIS	TP 0.500		NR 0	NR 0	NR 0	NR NR	NR NR	0 0
Records of Emergency Release Reports								
HMIRS VA SPILLS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Records								
RCRA-NonGen	0.250		0	4	NR	NR	NR	4

MAP FINDINGS SUMMARY

	Search Distance	Target						Total
Database	(Miles)	Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Plotted
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP TD		NR	NR	NR	NR	NR	0
FTTS HIST FTTS	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
SSTS	TP		NR	NR	NR NR	NR	NR	0
ICIS	TP	1	NR	NR	NR	NR	NR	1
PADS	TP	'	NR	NR	NR	NR	NR	Ö
MLTS	TP		NR	NR	NR	NR	NR	Õ
RADINFO	TP		NR	NR	NR	NR	NR	Ö
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
VA DRYCLEANERS	0.250		0	0	NR	NR	NR	0
VA ENF	TP		NR	NR	NR	NR	NR	0
VA NPDES	TP		NR	NR	NR	NR	NR	0
VA AIRS	TP		NR	NR	NR	NR	NR	0
VA TIER 2	TP	1	NR	NR	NR	NR	NR	1
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
VA FINANCIAL ASSURAN		1	NR	NR	NR	NR	NR	1
VA COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	IP		NR	NR	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants	1.000		0	0	0	0	NR	0
EDR Historical Auto Statio			Ö	12	NR	NR	NR	12
EDR Historical Cleaners	0.250		Ö	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number**

Α1 POTOMAC YARD SITE ICIS 1011496534 N/A

2900 JEFFERSON DAVIS PKY ALEXANDRIA VA 22305 **Target Property ALEXANDRIA, VA 22305**

ICIS:

Site 1 of 5 in cluster A

Actual: 32 ft.

Enforcement Action ID: 03-2004-0173 FRS ID: 110010717055

Program ID: FRS 110010717055 Action Name: POTOMAC YARD Facility Name: POTOMAC YARD SITE

Facility Address: 2900 JEFFERSON DAVIS PKY ALEXANDRIA VA 22305

ALEXANDRIA, Virginia 22305

Enforcement Action Type: CERCLA 122h Agrmt For Cost Recovery

Facility County: Alexandria City

EPA Region #:

Enforcement Action ID: 03-1997-0263 FRS ID: 110010717055 Program ID: FRS 110010717055 Action Name: POTOMAC YARD Facility Name: POTOMAC YARD SITE

2900 JEFFERSON DAVIS PKY ALEXANDRIA VA 22305 Facility Address:

ALEXANDRIA, Virginia 22305

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz

Facility County: Alexandria City

EPA Region #: 3

Program ID: FRS 110010717055 Facility Name: POTOMAC YARD SITE Address: 2900 JEFFERSON DAVIS PKY

Tribal Indicator:

Fed Facility: Not reported NAIC Code: Not reported SIC Code: 4011 Latitude: 38.83161 Longitude: -77.05115

Program ID: FRS 110010717055 Facility Name: POTOMAC YARD SITE 2900 JEFFERSON DAVIS PKY Address:

Tribal Indicator: Ν

Fed Facility: Not reported NAIC Code: Not reported SIC Code: 4011 Latitude: 38.83161 Longitude: -77.05115

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

A2 WMATA- POTOMAC R&R YARD VA TIER 2 S110070052
Target 3601 JEFFERSON DAVIS HIGHWAY N/A

Property ALEXANDRIA, VA 22305

Site 2 of 5 in cluster A

Actual: 32 ft.

TIER 2:
CAS Number: 7664-93-9
SIC Code: 485111

NAICS: Not reported
Entered Chemical Name: SULFURIC ACID
Average Amt Code: 3

Owner Name: John B. Catoe, Jr.
Owner Phone: 202-962-1530
Contact Type: Not reported

CAS Number: 8012-95-1 SIC Code: Not reported NAICS: 485111 **Entered Chemical Name:** Mineral Oil Average Amt Code: Not reported Richard Sarles Owner Name: Owner Phone: 202-962-1530 Contact Type: Owner / Operator

 CAS Number:
 7664-93-9

 SIC Code:
 Not reported

 NAICS:
 485111

Entered Chemical Name: SULFURIC ACID
Average Amt Code: Not reported
Owner Name: Richard Sarles
Owner Phone: 202-962-1530
Contact Type: Owner / Operator

CAS Number: 8012-95-1
SIC Code: 485111
NAICS: Not reported
Entered Chemical Name: Mineral Oil

Average Amt Code: 4

Owner Name: John B. Catoe, Jr.
Owner Phone: 202-962-1530
Contact Type: Not reported

A3 POTOMAC YARD SITE
Target 2900 JEFFERSON DAVIS PKY
Property ALEXANDRIA, VA 22305

Site 3 of 5 in cluster A

Actual:

FINDS:

32 ft.

Registry ID: 110010717055

Environmental Interest/Information System

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all

FINDS 1004609246

N/A

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

POTOMAC YARD SITE (Continued)

1004609246

EDR ID Number

Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

A4 RF&P POTOMAC YARD TRAIN WRECK
Target 2500 BLOCK JEFFERSON DAVIS HIGHWAY
Property ALEXANDRIA, VA 0

VA LUST S104406804
VA LTANKS N/A
VA FINANCIAL ASSURANCE

Site 4 of 5 in cluster A

Actual: 32 ft.

LUST REG NO:

 Region:
 NO

 Facility ID:
 3900264

 Status:
 Closed

 Tank Size:
 0

Product: Not reported
Release Date: 10/28/1988
Closed Date: 6/23/1995
Case Type: Article 11
Case Officer: James D. Green

Pollution Complaint #: 89-0460
Permit Number: 0
Priority: 1

 Region:
 NO

 Facility ID:
 3900264

 Status:
 Closed

 Tank Size:
 0

Product: Not reported
Release Date: 01/30/1990
Closed Date: 5/11/2000
Case Type: Article 11
Case Officer: James D. Green

Pollution Complaint #: 90-0555
Permit Number: 0
Priority: 3

Region: NO
Facility ID: 3900264
Status: Closed
Tank Size: 0

Product: Not reported
Release Date: 01/30/1990
Closed Date: 1/25/2001
Case Type: Article 11
Case Officer: James D. Green
Pollution Complaint #: 90-0955

Permit Number: 0
Priority: 3

Region: NO Facility ID: 3900264

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

RF&P POTOMAC YARD TRAIN WRECK (Continued)

S104406804

Status: Closed Tank Size: 0

Product: Not reported
Release Date: 04/24/1991
Closed Date: 10/25/1995
Case Type: Article 9
Case Officer: James D. Green

Pollution Complaint #: 91-1566 Permit Number: 0 Priority: -

LTANKS:

Region: NVRO
CEDS Facility Id: 200000087278
Case Status: Closed
Pollution Complaint #: 19993399
Reported: 01-JUN-1999

VA FINANCIAL ASSURANCE:

Facility ID: 3000360 FRP Financial Assurance: Full

Owner Name: Cardinal Concrete Company / Oldover (Solite)

ROF Own Id: 33142 UST Tank Type: Mechanism: Insurance Gallonage: Not reported Per Occurence: \$2,000,000 Third Party: \$2,000,000 Annual Aggregate: \$2,000,000 In Compliance: Not reported Total Capacity: 12000

CEDS Facility Name: Falcon Concrete - Arlington

CEDS Facility Id: 200000087278

Tank Type Count: 3

Location: 450 Old Jefferson Davis Hwy

A5 POTOMAC YARD
Target 2801 JEFFERSON DAVIS HWY

Property ALEXANDRIA, VA 22301

Site 5 of 5 in cluster A

Actual: UST: 32 ft.

Facility:

 Facility Id:
 3012524

 Facility Type:
 RAILROAD

 CEDS Facility ID:
 200000075539

Owner:

Facility Id: 3012524 Owner Id: 28228

Owner Name: COMMONWEALTH ATLANTIC LAND, INC
Owner Address: 600 EAST MAIN STREET, SUIRE 2300

Owner Address2: Not reported

Owner City, State, Zip: RICHMOND, VA 23219

UST Status: Not reported AST Status: Not reported

VA UST U003698640

N/A

Direction Distance Elevation

on Site Database(s) EPA ID Number

POTOMAC YARD (Continued) U003698640

Federally Regulated: No

Tank Number: 1
Tank Capacity: 1600
Tank Contents: KEROSENE

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 1

Install Date: Not reported

Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 1

Install Date: Not reported
Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Tank Release Detection: Manual Gauge Ν Ν Tank Release Detection: Autogauge Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N

EDR ID Number

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

POTOMAC YARD (Continued) U003698640

Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

UST Tank Type: Fac Id: 3012524 Own Id: 28228 Tank Number: 1

Install Date: Not reported

PERM OUT OF USE Tank Status:

UNKNOWN Pipe Type:

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν

Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: 2 Tank Capacity: 4600 Tank Contents: **GASOLINE**

PERM OUT OF USE Tank Status:

Tank Type: UST

Tank Material:

UST Tank Type: 3012524 Fac Id: Own Id: 28228 Tank Number:

Install Date: Not reported PERM OUT OF USE Tank Status:

Tank Materials: Bare Steel Υ Ν Tank Materials: Cath Protect Steel Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν

Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other

Tank Materials: Other Note Not reported

Release:

Tank Type: UST Fac Id: 3012524

Direction
Distance
Elevation

tion Site Database(s) EPA ID Number

POTOMAC YARD (Continued)

U003698640

EDR ID Number

 Own Id:
 28228

 Tank Number:
 2

Install Date: Not reported
Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 2

Install Date: Not reported
Tank Status: PERM OUT OF USE

Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: 3
Tank Capacity: 4600
Tank Contents: GASOLINE

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

Direction Distance Elevation

nce EDR ID Number ttion Site Database(s) EPA ID Number

POTOMAC YARD (Continued)

U003698640

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 3

Install Date: Not reported
Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Ν Tank Materials: Double Walled Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 3

Install Date: Not reported
Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

POTOMAC YARD (Continued)

U003698640

Tank Number: 3

Install Date: Not reported PERM OUT OF USE Tank Status:

UNKNOWN Pipe Type:

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: 4 1650 Tank Capacity: Tank Contents: **USED OIL**

PERM OUT OF USE Tank Status:

Tank Type: UST

Tank Material:

UST Tank Type: 3012524 Fac Id: Own Id: 28228 Tank Number:

Install Date: Not reported

PERM OUT OF USE Tank Status:

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note

Release:

UST Tank Type: Fac Id: 3012524 Own Id: 28228 Tank Number:

Install Date: Not reported

PERM OUT OF USE Tank Status:

Not reported

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν

Direction Distance Elevation

ation Site Database(s) EPA ID Number

POTOMAC YARD (Continued)

U003698640

EDR ID Number

Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 4

Install Date: Not reported
Tank Status: PERM OUT OF USE

Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R5
Tank Capacity: 1000
Tank Contents: USED OIL
Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 R5

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Y
Tank Materials: Cath Protect Steel N

Direction Distance Elevation

ation Site Database(s) EPA ID Number

POTOMAC YARD (Continued)

U003698640

EDR ID Number

Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 R5

Install Date: Not reported Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 R5

 Install Date:
 Not reported

 Tank Status:
 REM FROM GRD

 Pipe Type:
 NO VALVE: SUCTION

 Pipe Materials: Bare Steel
 Y

 Pipe Materials: Galvanized Steel
 N

 Pipe Materials: Copper
 N

 Pipe Materials: Fiberglass
 N

Direction Distance Elevation

on Site Database(s) EPA ID Number

POTOMAC YARD (Continued)

U003698640

EDR ID Number

Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

Tank Number: R6
Tank Capacity: 1000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 R6

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Ν Tank Materials: Lined Interior Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 R6

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled

Direction Distance Elevation

Site EDR ID Number

Database(s) EPA ID Number

POTOMAC YARD (Continued)

U003698640

Tank Release Detection: Other Method N

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 R6

Install Date: Not reported
Tank Status: REM FROM GRD
Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R7
Tank Capacity: 20000
Tank Contents: DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 R7

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν

Direction Distance Elevation

Site Database(s) EPA ID Number

POTOMAC YARD (Continued)

U003698640

EDR ID Number

Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 R7

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3012524

 Own Id:
 28228

 Tank Number:
 R7

 Install Date:
 Not reported

 Tank Status:
 REM FROM GRD

 Pipe Type:
 UNKNOWN

Pipe Materials: Bare Steel Υ Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Ν Pipe Materials: Repaired Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number**

POTOMAC YARD (Continued)

U003698640

EDR ID Number

Tank Number: R8 20000 Tank Capacity: Tank Contents: UNKNOWN **Tank Status: REM FROM GRD** Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3012524 Own Id: 28228 Tank Number: R8

Install Date: Not reported REM FROM GRD Tank Status:

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν

Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

UST Tank Type: Fac Id: 3012524 Own Id: 28228 Tank Number:

Install Date: Not reported **REM FROM GRD** Tank Status:

Tank Release Detection: Leak Deferred N Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Ν Tank Release Detection: Vapor Monitor Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Ν Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Ν Pipe Release Det: Interior Double Walled Pipe Release Detection: Other Method Ν

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

POTOMAC YARD (Continued) U003698640

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST Fac Id: 3012524 Own Id: 28228 Tank Number: R8

Install Date: Not reported Tank Status: REM FROM GRD UNKNOWN Pipe Type:

Pipe Materials: Bare Steel Υ Ν Pipe Materials: Galvanized Steel Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

TOWN OF SLATERS VILLAGE 6

East POTOMAC YARD < 1/8 ALEXANDRIA, VA 22314

0.041 mi. 216 ft.

LUST REG NO: Relative:

Region: NO Lower

Facility ID: 3900752 Actual: Status: Closed 5 ft. Tank Size: Not reported Product: unknown

> Release Date: 07/10/1997 3/9/1998 Closed Date: Article 11 Case Type: James D. Green Case Officer: Pollution Complaint #: 98-3508 Permit Number: Not reported

Priority: 3

LTANKS:

NVRO Region: CEDS Facility Id: 200000185954 Case Status: Closed Pollution Complaint #: 19983508 Reported: 10-JUL-1997

S103916240

N/A

VA LUST

VA LTANKS

Direction Distance

Elevation Site Database(s) EPA ID Number

B7 HEISHMAN BMW INC RCRA-CESQG 1004610057
West 3154 JEFFERSON DAVIS HIGHWAY FINDS VAD062022942

1/8-1/4 ARLINGTON, VA 22202

0.139 mi.

732 ft. Site 1 of 2 in cluster B

Relative: RCRA-CESQG:

Lower Date form received by agency: 03/26/1987

Facility name: HEISHMAN BMW INC

Actual: Facility address: 3100 JEFFERSON DAVIS HWY 17 ft. ARLINGTON, VA 22202

EPA ID: VAD062022942

Mailing address: 3154 JEFF DAVID HIGHWAY

ARLINGTON, VA 22202

Contact: SCOTT HEISHMAN

Contact address: 3154 JEFF DAVID HIGHWAY

ARLINGTON, VA 22202

Contact country: US

Contact telephone: (703) 684-8500 Contact email: Not reported

EPA Region: 03

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any

time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: BM SMITH & ASSOCIATES

Owner/operator address: 2300 NINTH ST

ARLINGTON, VA 22204

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type:

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET

OPERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

EDR ID Number

Map ID MAP FINDINGS
Direction

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

HEISHMAN BMW INC (Continued)

1004610057

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): Nο Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: Nο Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No No Used oil transporter:

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110005231533

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Direction Distance

Elevation Site Database(s) EPA ID Number

B8 HEISHMAN BMW INC RCRA-CESQG 1004789614
West 3154 JEFFERSON DAVIS HWY VA UST VAD981740541

1/8-1/4 ARLINGTON, VA 22202 0.139 mi.

732 ft. Site 2 of 2 in cluster B

Relative: RCRA-CESQG:

Lower Date form received by agency: 10/28/1986

Facility name: HEISHMAN BMW INC

Actual: Facility address: 3154 JEFFERSON DAVIS HWY 17 ft. ARLINGTON, VA 22202

EPA ID: VAD981740541
Contact: SCOTT HEISHMAN

Contact address: 3154 JEFFERSON DAVIS HWY

ARLINGTON, VA 22202

Contact country: US

Contact telephone: (703) 684-8500 Contact email: Not reported

EPA Region: 03

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: BM SMITH & ASSOCIATES

Owner/operator address: 2300 NINTH ST

ARLINGTON, VA 22204

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Owner

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET

OPERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

EDR ID Number

NJ MANIFEST

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: Nο Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code: D000 Waste name: Not Defined

Waste code: D001

IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF Waste name:

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F004

THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC Waste name:

ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

UST:

Facility:

Facility Id: 3012560 Facility Type: **AUTO DEALER** CEDS Facility ID: 200000077663

Owner:

Facility Id: 3012560 Owner Id: 35264

Owner Name: HEISHMAN BMW

Owner Address: 3100 JEFFERSON DAVIS HIGHWAY

Owner Address2: Not reported

ARLINGTON, VA 22202 Owner City, State, Zip:

UST Status: Not reported **AST Status:** Not reported

Federally Regulated: Yes

Tank Number: R1

Direction Distance Elevation

EDR ID Number
Database(s) EPA ID Number

HEISHMAN BMW INC (Continued)

1004789614

Tank Capacity: 1000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3012560

 Own Id:
 35264

Tank Number: R1

Install Date: 02-MAY-1961
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3012560

 Own Id:
 35264

 Tank Number:
 R1

Install Date: 02-MAY-1961
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Leak Deterred

Not re
Pipe Release Detection: Autoleak

N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

Pipe Material:

Tank Type: UST Fac Id: 3012560 Own Id: 35264 Tank Number: R1

02-MAY-1961 Install Date: **REM FROM GRD** Tank Status: NO VALVE: SUCTION Pipe Type:

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Ν Pipe Materials: Fiberglass Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Υ Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R2 400 Tank Capacity: Tank Contents: OTHER

Tank Status: **REM FROM GRD**

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3012560 Own Id: 35264 Tank Number: R2

Install Date: 02-MAY-1970 REM FROM GRD Tank Status:

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Ν Tank Materials: Composite Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

UST Tank Type: Fac Id: 3012560 Own Id: 35264 Tank Number: R2

02-MAY-1970 Install Date: **REM FROM GRD** Tank Status:

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

Tank Release Detection: Leak Deferred Ν Ν Tank Release Detection: Manual Gauge Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Ν Pipe Release Det: Int Secondary Containment Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST Fac Id: 3012560 Own Id: 35264 Tank Number: R2

02-MAY-1970 Install Date: **REM FROM GRD** Tank Status: Pipe Type: NO VALVE: SUCTION

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Ν Pipe Materials: Secondary Containment Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other

Pipe Materials: Other Note Not reported

Tank Number: R3 350 Tank Capacity: USED OIL Tank Contents: **REM FROM GRD** Tank Status:

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3012560 Own Id: 35264 Tank Number: R3

Direction Distance Elevation

EDR ID Number
Site Database(s) EPA ID Number

HEISHMAN BMW INC (Continued)

1004789614

Install Date: 02-MAY-1970 **REM FROM GRD** Tank Status: Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3012560

 Own Id:
 35264

 Tank Number:
 R3

Install Date: 02-MAY-1970
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Ν Tank Release Detection: Inventory Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3012560

 Own Id:
 35264

 Tank Number:
 R3

 Install Date:
 02-MAY-1970

 Tank Status:
 REM FROM GRD

 Pipe Type:
 GRAVITY

Direction Distance Elevation

Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

EDR ID Number

Pipe Materials: Bare Steel Υ Ν Pipe Materials: Galvanized Steel Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

NJ MANIFEST:

Manifest Code: 001910707SKS EPA ID: VAD981740541 Date Shipped: 05/04/09 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Not reported Transporter 10 EPA ID: Date Trans1 Transported Waste: 05/04/09 Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported 05/11/09 Date TSDF Received Waste: Not reported Tranporter 1 Decal: Tranporter 2 Decal: Not reported Data Entry Number: Not reported Reference Manifest Number: Not reported Was Load Rejected (Y/N):

Reason Load Was Rejected: Not reported

Waste Code: D039

2009 New Jersey Manifest Data Manifest Year:

Quantity: 10 Unit: G H020 Hand Code:

Manifest Code: 000266076CEX EPA ID: VAD981740541 Date Shipped: 10/16/09 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930

Direction Distance Elevation

Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

EDR ID Number

Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 10/16/09 Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Not reported Date Trans9 Transported Waste: Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 10/21/09 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: Not reported Not reported Reference Manifest Number: Was Load Rejected (Y/N): No Reason Load Was Rejected: Not reported Waste Code: D039

Manifest Year: 2009 New Jersey Manifest Data

Quantity: 14 Unit: G H020 Hand Code:

Manifest Code: NJA5069609 FPA ID: VAD981740541 Date Shipped: 20050121 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050121 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Not reported Date Trans7 Transported Waste: Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Not reported Date Trans10 Transported Waste: Date TSDF Received Waste: 050126

Direction Distance Elevation

Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

EDR ID Number

Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: 02250521 Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Not reported Quantity: Unit: Not reported Hand Code: Not reported

Manifest Code: NJA5069002 EPA ID: VAD981740541 Date Shipped: 20041020 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 041020 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Not reported Date Trans8 Transported Waste: Date Trans9 Transported Waste: Not reported Not reported Date Trans10 Transported Waste: Date TSDF Received Waste: 041022 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 12070421 Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Not reported Waste Code: Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: 000807387SKS EPA ID: VAD981740541 Date Shipped: 10/11/20 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930

Direction Distance Elevation

ce EDR ID Number ion Site Database(s) EPA ID Number

HEISHMAN BMW INC (Continued)

1004789614

Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported 10/11/ Date Trans1 Transported Waste: Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Not reported Date Trans9 Transported Waste: Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 10/15/ Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: Not reported Not reported Reference Manifest Number: Was Load Rejected (Y/N): No Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: 000489734SKS FPA ID: VAD981740541 Date Shipped: 4/30/200 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 4/30/2 Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 5/1/20

Direction Distance Elevation

Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

EDR ID Number

Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: Not reported Reference Manifest Number: Not reported Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: D039

Manifest Year: 2007 New Jersey Manifest Data

Quantity: 13 Unit: G H02 Hand Code:

Manifest Code: 000356839CEX EPA ID: VAD981740541 Date Shipped: 09/21/10 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 09/21/10 Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Not reported Date Trans8 Transported Waste: Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 09/30/10 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: Not reported Reference Manifest Number: Not reported Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: D039

2010 New Jersey Manifest Data Manifest Year:

Quantity: 13 Unit: G Hand Code: H020

Manifest Code: 002409099SKS EPA ID: VAD981740541 Date Shipped: 04/05/10 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930

Direction Distance Elevation

Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

EDR ID Number

Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported 04/05/10 Date Trans1 Transported Waste: Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Not reported Date Trans9 Transported Waste: Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 04/08/10 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: Not reported Reference Manifest Number: Not reported Was Load Rejected (Y/N): No Reason Load Was Rejected: Not reported Waste Code:

D039

Manifest Year: 2010 New Jersey Manifest Data

Quantity: 15 Unit: G H020 Hand Code:

Manifest Code: 002055844SKS FPA ID: VAD981740541 Date Shipped: 01/12/10 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 01/12/10 Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Not reported Date Trans4 Transported Waste: Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Not reported Date Trans7 Transported Waste: Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 01/19/10

Direction Distance Elevation

Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

EDR ID Number

Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: Not reported Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: D039

Manifest Year: 2010 New Jersey Manifest Data

15 Quantity: Unit: G H020 Hand Code:

Manifest Code: NJA5225692 EPA ID: VAD981740541 Date Shipped: 20050404 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Not reported Transporter 8 EPA ID: Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050404 000000 Date Trans2 Transported Waste: Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Not reported Date Trans8 Transported Waste: Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050406 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 05260521 Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Not reported Waste Code: Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: NJA5223278 EPA ID: VAD981740541 Date Shipped: 20050623 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930

Direction Distance Elevation

tion Site Database(s) EPA ID Number

HEISHMAN BMW INC (Continued)

1004789614

EDR ID Number

Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported 050623 Date Trans1 Transported Waste: Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Not reported Date Trans9 Transported Waste: Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050628 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 07250521 Not reported Reference Manifest Number: Was Load Rejected (Y/N): No Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: NJA5255585 FPA ID: VAD981740541 Date Shipped: 20051210 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 051210 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Not reported Date Trans4 Transported Waste: Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 051214

Direction Distance Elevation

Site Database(s) EPA ID Number

HEISHMAN BMW INC (Continued)

1004789614

EDR ID Number

Tranporter 1 Decal:

Tranporter 2 Decal:

Data Entry Number:

Reference Manifest Number:

Not reported

02220621

Not reported

Was Load Rejected (Y/N):

Reason Load Was Rejected: Not reported

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5068365 EPA ID: VAD981740541 Date Shipped: 20050913 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Not reported Transporter 8 EPA ID: Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050913 000000 Date Trans2 Transported Waste: Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Not reported Date Trans8 Transported Waste: Date Trans9 Transported Waste: Not reported Not reported Date Trans10 Transported Waste: Date TSDF Received Waste: 050920 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 10280521 Reference Manifest Number: Not reported Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

 Manifest Code:
 001388759SKS

 EPA ID:
 VAD981740541

 Date Shipped:
 9/5/2008

 TSDF EPA ID:
 NJD002182897

 Transporter EPA ID:
 TXR000050930

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported 9/5/2008 Date Trans1 Transported Waste: Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Not reported Date Trans9 Transported Waste: Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 9/8/2008 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: Not reported Not reported Reference Manifest Number: Was Load Rejected (Y/N): No Reason Load Was Rejected: Not reported Waste Code: D039

Manifest Year: 2008 New Jersey Manifest Data

Quantity: 12 Unit: G H020 Hand Code:

Manifest Code: 000750655SKS FPA ID: VAD981740541 Date Shipped: 7/20/200 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 7/20/2 Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Date Trans6 Transported Waste: Not reported Not reported Date Trans7 Transported Waste: Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 7/24/2

MAP FINDINGS Map ID Direction

Distance Elevation

Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

EDR ID Number

Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: Not reported Reference Manifest Number: Not reported No

Was Load Rejected (Y/N):

Reason Load Was Rejected: Not reported

Waste Code: D039

Manifest Year: 2007 New Jersey Manifest Data

Quantity: 9 Unit: G H02 Hand Code:

Manifest Code: 001619592SKS EPA ID: VAD981740541 Date Shipped: 02/12/09 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 02/12/09 Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Not reported Date Trans8 Transported Waste: Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 02/17/09 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: Not reported Reference Manifest Number: Not reported Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: D039

2009 New Jersey Manifest Data Manifest Year:

Quantity: 12 Unit: G Hand Code: H020

Manifest Code: 000935122SKS EPA ID: VAD981740541 Date Shipped: 3/28/2008 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 3/28/2008 Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Not reported Date Trans9 Transported Waste: Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 3/31/2008 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: Not reported Not reported Reference Manifest Number: Was Load Rejected (Y/N): No Reason Load Was Rejected: Not reported

Waste Code: D039

Manifest Year: 2008 New Jersey Manifest Data

Quantity: 15 Unit: G H020 Hand Code:

Manifest Code: NJA5310197 FPA ID: VAD981740541 Date Shipped: 20060822 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 060822 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Not reported Date Trans7 Transported Waste: Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Not reported Date Trans10 Transported Waste: Date TSDF Received Waste: 060830

Direction Distance Elevation

Site Database(s) EPA ID Number

HEISHMAN BMW INC (Continued)

1004789614

EDR ID Number

Tranporter 1 Decal:

Not reported
Tranporter 2 Decal:

Not reported
Not reported
09270621
Reference Manifest Number:
Not reported

Was Load Rejected (Y/N):

Reason Load Was Rejected: Not reported

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5309688 EPA ID: VAD981740541 Date Shipped: 20060524 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Not reported Transporter 8 EPA ID: Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 060524 000000 Date Trans2 Transported Waste: Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Not reported Date Trans8 Transported Waste: Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 060530 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 07170622 Reference Manifest Number: Not reported Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

 Manifest Code:
 NJA5310921

 EPA ID:
 VAD981740541

 Date Shipped:
 20060307

 TSDF EPA ID:
 NJD002182897

 Transporter EPA ID:
 TXR000050930

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HEISHMAN BMW INC (Continued)

1004789614

Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 060307 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 060313 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 05050621 Reference Manifest Number: Not reported Was Load Rejected (Y/N): No Reason Load Was Rejected: Not reported Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported

RICHMOND FREDERICKSBURG & POTOMAC RR CO

Not reported

Not reported

CERCLIS 1000242769 **RCRA-NonGen** VAD020312013 **FINDS**

1/8-1/4 0.150 mi. 791 ft.

9

West

CERCLIS: Relative: Site ID:

Unit:

POTOMAC YARD

ALEXANDRIA, VA 22301

Hand Code:

0303314 Higher EPA ID: VAD020312013 Actual: Facility County: ALEXANDRIA CITY 39 ft. Short Name: RICHMOND, FREDRICKSBURG &

Congressional District: 80 IFMS ID: 039X 8840 SMSA Number: 02070010 **USGC Hydro Unit:**

Not a Federal Facility Federal Facility:

DMNSN Number: Not reported

Site Orphan Flag:

RCRA ID: Not reported USGS Quadrangle: Not reported Site Init By Prog: Not reported NFRAP Flag: Not reported Parent ID: Not reported RST Code: Not reported

EPA Region: 03

Direction Distance

Elevation Site Database(s) EPA ID Number

RICHMOND FREDERICKSBURG & POTOMAC RR CO (Continued)

1000242769

EDR ID Number

Classification:

Site Settings Code:

Not reported

NPL Status:

Not on the NPL

DMNSN Unit Code:

RBRAC Code:

RResp Fed Agency Code:

Not reported

Not reported

Not reported

Not reported

Non NPL Status: Referred to Removal - NFRAP

Non NPL Status Date: 20011002
Site Fips Code: 51510
CC Concurrence Date: Not reported
CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

 Contact ID:
 3270265.00000

 Contact Name:
 HARRY DAW

 Contact Tel:
 (215) 814-3244

Contact Title: On-Scene Coordinator (OSC)

Contact Email: Not reported

 Contact ID:
 3000078.00000

 Contact Name:
 JEFFREY A DODD

 Contact Tel:
 (304) 234-0254

Contact Title: On-Scene Coordinator (OSC)

Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101

Alias Name: POTOMAC RAILROAD YARD

Alias Address: Not reported

VA

Alias ID: 102

Alias Name: POTOMAC YARD SITE

Alias Address: Not reported Not reported

Not reported

Alias Comments: Not reported

Site Description: THREE RETENTION PONDS FOR SPENT OIL, GREASE AND WATER FROM LOCOMOTIVE ENGINES.

THE SPENT MATERIAL IS GENERATED AS A CONSEQUENCE OF WASHING LOCOMOTIVE ENGINES, OIL DRIPPING, ANDSPILLS.THREE RETENTION PONDS FOR SPENT OIL, GREASE AND WATER FROM LOCOMOTIVE ENGINES. THE SPENT MATERIAL IS GENERATED AS A

CONSEQUENCE OF WASHING LOCOMOTIVE ENGINES, OIL DRIPPING, ANDSPILLS.

CERCLIS Assessment History:

Action Code: 001

Action: DISCOVERY
Date Started: Not reported
Date Completed: 12/31/1987
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Direction Distance

Elevation Site Database(s) EPA ID Number

RICHMOND FREDERICKSBURG & POTOMAC RR CO (Continued)

1000242769

EDR ID Number

Action Code: 001

Action: PRELIMINARY ASSESSMENT

Date Started: Not reported
Date Completed: 04/19/1988

Priority Level: Low priority for further assessment

Operable Unit: SITEWIDE

Primary Responsibility: EPA Fund-Financed Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 04/07/1989

Priority Level: Referred to Removal, no further Rmdl Asmt

Operable Unit: SITEWIDE

Primary Responsibility: State, Fund Financed

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: ADMINISTRATIVE ORDER ON CONSENT

Date Started: Not reported
Date Completed: 09/22/1992
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 00°

Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL

Date Started: 09/22/1992
Date Completed: 02/09/1998
Priority Level: Stabilized
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party

Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002

Action: ADMINISTRATIVE ORDER ON CONSENT

Date Started: Not reported
Date Completed: 02/18/1998

Direction Distance

Elevation Site Database(s) EPA ID Number

RICHMOND FREDERICKSBURG & POTOMAC RR CO (Continued)

1000242769

EDR ID Number

Priority Level: Not reported Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement Planning Status: Not reported Urgency Indicator: Not reported

For detailed financial records, contact EDR for a Site Report.:

Not reported

Action Code: 001

Action Anomaly:

Action: REMOVAL NEGOTIATIONS

Date Started: Not reported
Date Completed: 02/18/1998
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002

Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL

Date Started: 02/18/1998 03/25/1999 Date Completed: Priority Level: Stabilized Operable Unit: **SITEWIDE** Primary Responsibility: Responsible Party Planning Status: Primary Urgency Indicator: Time Critical Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: CONSENT AGREEMENT (ADMINISTRATIVE)

Date Started: Not reported
Date Completed: 09/01/2004
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: ADMINISTATIVE/VOLUNTARY COST RECOVERY

Date Started: Not reported
Date Completed: 09/07/2004
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

RICHMOND FREDERICKSBURG & POTOMAC RR CO (Continued)

1000242769

EDR ID Number

Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Action: COST RECOVERY NEGOTIATIONS

Date Started: 12/15/2000
Date Completed: 09/07/2004
Priority Level: Not reported
Operable Unit: SITEWIDE

Primary Responsibility: Federal Enforcement

Planning Status: Not reported Urgency Indicator: Not reported Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

<u>Click this hyperlink</u> while viewing on your computer to access 46 additional US CERCLIS Financial: record(s) in the EDR Site Report.

RCRA-NonGen:

Date form received by agency: 11/12/1980

Facility name: RICHMOND FREDERICKSBURG & POTOMAC RR CO

Facility address: POTOMAC YARD

ALEXANDRIA, VA 22301

EPA ID: VAD020312013

Mailing address: 2134 WEST LABURNUM AVENUE

RICHMOND, VA 23230

Contact: J. MCGINLEY
Contact address: POTOMAC YARD

ALEXANDRIA, VA 22301

Contact country: US

Contact telephone: (703) 838-3678
Contact email: Not reported
EPA Region: 03
Classification: Non Conserted

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: Not reported
Owner/operator address: OWNERSTREET

OWNERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET

OPERCITY, AK 99999

Owner/operator country: Not reported Owner/operator telephone: (215) 555-1212

Legal status: Private

Map ID MAP FINDINGS
Direction

Distance Elevation S

tion Site Database(s) EPA ID Number

RICHMOND FREDERICKSBURG & POTOMAC RR CO (Continued)

1000242769

EDR ID Number

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Nο Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Historical Generators:

Date form received by agency: 08/18/1980

Facility name: RICHMOND FREDERICKSBURG & POTOMAC RR CO

Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110009315570

Environmental Interest/Information System

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

Registry ID: 110008181733

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Direction Distance

Elevation Site Database(s) **EPA ID Number**

C10 **HERTZ RENT A CAR (AREA 1898-11)** VA AST A100355358 West 3800 JEFFERSON DAVIS HWY N/A

1/8-1/4 0.153 mi.

ALEXANDRIA, VA 22305

807 ft. Site 1 of 5 in cluster C

AST: Relative: Lower Facility:

Facility ID: 3021159 Actual: Facility Type: COMMERCIAL 11 ft. CEDS Facility ID: 200000194012

Owner:

Facility Id: 3021159 Owner Id: 35720

Hertz Corporation Owner Name: Owner Address: 225 Brae Blvd Owner Address2: Not reported Park Ridge Owner City: Owner State: NJ 07656 Owner Zip: Ust Status: Reg

Ast Status: Not reported

Fed Regulated: No Tank Number: 0001a Tank Type: AST Tank Capacity: 1000 Tank Contents: MOTOR OIL Tank Status: **CURR IN USE**

Tank Containment:

Tank Type: AST Fac Id: 3021159 Own Id: 35720 Tank Number: 0001a

Install Date: 09-SEP-2010 Tank Status: **CURR IN USE**

Containment: Curbing Ν Containment: Weirs Ν Containment: Sorbent Ν Containment: Culvert Ν Containment: Diversion Ν Containment: Retention Ν Containment: Dike Ν Containment: Unknown Ν Containment: Other Ν

Containment: Other Note Not reported

Release Detection: Ground Water Ν Release Detection: Visual Ν Release Detection: Vapor Ν Release Detection: Interstitial Ν Release Detection: None Ν Release Detection: Other Ν

Release Detection: Other Note Not reported

Release Prevention: Double Bottom Ν Release Prevention: Double Walled Υ Ν Release Prevention: Lined Interior

EDR ID Number

Direction Distance Elevation

Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

Release Prevention: Poly Jacket N
Release Prevention: Exc Liner N
Release Prevention: None N
Release Prevention: Unknown N
Release Prevention: Other N

Release Prevention: Other Note Not reported

Tank Foundation:

 Tank Type:
 AST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 0001a

 Install Date:
 09-SEP-2010

 Tank Status:
 CURR IN USE

Tank Foundation: Steel N
Tank Foundation: Earthen N
Tank Foundation: Concrete Imp N
Tank Foundation: Unknown N
Tank Foundation: Other N

Tank Foundation: Other Note Not reported

Tank Roof: Float Ν Tank Roof: Cone Ν Tank Roof: Breather Ν Tank Roof: Dbldeck Ν Tank Roof: Pontoon Ν Tank Roof: Balloon Ν Tank Roof: Lifter Ν Tank Roof: Pan Ν Tank Roof: Other Ν

Tank Roof: Other Note Not reported

Tank Material:

 Tank Type:
 AST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 0001a

 Install Date:
 09-SEP-2010

 Tank Status:
 CURR IN USE

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Tank Materials: Epoxy Coated Interior N Tank Materials: Epoxy Coated Exterior N Tank Materials: Double Walled Υ Tank Materials: Double Bottomed Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Fed Regulated: No

A100355358

EDR ID Number

Direction Distance Elevation

EDR ID Number
Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

A100355358

Tank Number: 0002a
Tank Type: AST
Tank Capacity: 1000
Tank Contents: USED OIL
Tank Status: CURR IN USE

Tank Containment:

 Tank Type:
 AST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 0002a

 Install Date:
 09-SEP-2010

 Tank Status:
 CURR IN USE

Containment: Curbing Containment: Weirs Ν Containment: Sorbent Ν Containment: Culvert Ν Containment: Diversion Ν Containment: Retention Ν Containment: Dike Ν Containment: Unknown Ν Containment: Other Ν

Containment: Other Note Not reported

Release Detection: Ground Water N
Release Detection: Visual N
Release Detection: Vapor N
Release Detection: Interstitial N
Release Detection: None N
Release Detection: Other N

Release Detection: Other Note Not reported

Release Prevention: Double Bottom Ν Release Prevention: Double Walled Υ Release Prevention: Lined Interior Ν Release Prevention: Poly Jacket Ν Release Prevention: Exc Liner Ν Release Prevention: None Ν Release Prevention: Unknown Ν Release Prevention: Other Ν

Release Prevention: Other Note Not reported

Tank Foundation:

 Tank Type:
 AST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 0002a

 Install Date:
 09-SEP-2010

 Tank Status:
 CURR IN USE

Tank Foundation: Steel N
Tank Foundation: Earthen N
Tank Foundation: Concrete Imp
Tank Foundation: Unknown N
Tank Foundation: Other N

Tank Foundation: Other Note Not reported

Tank Roof: Float N
Tank Roof: Cone N
Tank Roof: Breather N

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HERTZ RENT A CAR (AREA 1898-11) (Continued)

A100355358

Tank Roof: Dbldeck Tank Roof: Pontoon Ν Tank Roof: Balloon Ν Tank Roof: Lifter Ν Tank Roof: Pan Ν Tank Roof: Other Ν

Tank Roof: Other Note Not reported

Tank Material:

Tank Type: **AST** Fac Id: 3021159 Own Id: 35720 Tank Number: 0002a 09-SEP-2010 Install Date: **CURR IN USE** Tank Status:

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Tank Materials: Epoxy Coated Interior N Tank Materials: Epoxy Coated Exterior N Tank Materials: Double Walled Tank Materials: Double Bottomed Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

C11 **HERTZ RENT A CAR (AREA 1898-11)** 3800 JEFFERSON DAVIS HWY West

ALEXANDRIA, VA 22305 1/8-1/4

0.153 mi.

807 ft. Site 2 of 5 in cluster C

UST: Relative: Lower Facility:

Facility Id: 3021159 Actual: Facility Type: **COMMERCIAL** 11 ft. CEDS Facility ID: 200000194012

Owner:

Facility Id: 3021159 Owner Id: 35720

Owner Name: Hertz Corporation 225 Brae Blvd Owner Address: Owner Address2: Not reported

Owner City, State, Zip: Park Ridge, NJ 07656

UST Status: Reg AST Status: Not reported

Federally Regulated: Yes Tank Number: 1

VA UST

VA SPILLS

VA TIER 2

U003681495

N/A

Direction Distance Elevation

ce EDR ID Number ion Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

 Tank Capacity:
 10000

 Tank Contents:
 DIESEL

 Tank Status:
 CLS IN GRD

 Tank Type:
 UST

 Tank Material:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 1

Install Date: 02-MAY-1985
Tank Status: CLS IN GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν

Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 1

Install Date: 02-MAY-1985
Tank Status: CLS IN GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Υ Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak

Pipe Release Detection: Line Tightness

N

Pipe Release Detection: Stat Invent Recon

N

Pipe Release Detection: Groundwater

N

Pipe Release Det: Int Secondary Containment

N

Pipe Release Det: Interior Double Walled

N

Pipe Release Detection: Other Method

N

Pipe Release Detection: Other Note Not reported

Direction
Distance
Elevation

Site Database(s) EPA ID Number

UST

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

Pipe Material:
Tank Type:
Fac Id:
Own Id:

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 1

 Install Date:
 02.MAY

Install Date: 02-MAY-1985
Tank Status: CLS IN GRD
Pipe Type: PRESSURE

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Υ Pipe Materials: Fiberglass Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

 Tank Number:
 2

 Tank Capacity:
 10000

 Tank Contents:
 GASOLINE

 Tank Status:
 CLS IN GRD

 Tank Type:
 UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 2

Install Date: 02-MAY-1985
Tank Status: CLS IN GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Ν Tank Materials: Composite Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 2

Install Date: 02-MAY-1985
Tank Status: CLS IN GRD

Direction
Distance
Elevation

Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

Tank Release Detection: Leak Deferred Ν Ν Tank Release Detection: Manual Gauge Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Υ Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Υ Tank Release Detection: Spill Install Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Υ Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note
Pipe Release Detection: Leak Deferred
Not reported
Not reported

Pipe Release Detection: Autoleak

Pipe Release Detection: Line Tightness

N

Pipe Release Detection: Stat Invent Recon

Pipe Release Detection: Groundwater

N

Pipe Release Det: Int Secondary Containment

Pipe Release Det: Interior Double Walled

N

Pipe Release Detection: Other Method

N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 2

 Install Date:
 02-MAY-1985

 Tank Status:
 CLS IN GRD

 Pipe Type:
 PRESSURE

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Ν Pipe Materials: Secondary Containment Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other

Pipe Materials: Other Note Not reported

 Tank Number:
 3

 Tank Capacity:
 10000

 Tank Contents:
 GASOLINE

 Tank Status:
 CLS IN GRD

 Tank Type:
 UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 3

Direction Distance Elevation

EDR ID Number

n Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

Install Date: 02-MAY-1985 CLS IN GRD Tank Status: Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 3

Install Date: 02-MAY-1985
Tank Status: CLS IN GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Υ Tank Release Detection: Vapor Monitor Ν Ν Tank Release Detection: Inventory Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
Y Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note

Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 3

 Install Date:
 02-MAY-1985

 Tank Status:
 CLS IN GRD

 Pipe Type:
 PRESSURE

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

Pipe Materials: Bare Steel Ν Ν Pipe Materials: Galvanized Steel Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: 4 10000 Tank Capacity: Tank Contents: **GASOLINE CLS IN GRD** Tank Status:

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3021159 Own Id: 35720 Tank Number:

02-MAY-1985 Install Date: Tank Status: CLS IN GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Υ Tank Materials: Fiberglass Tank Materials: Concrete Ν Tank Materials: Composite Ν Υ Tank Materials: Double Walled Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

UST Tank Type: Fac Id: 3021159 Own Id: 35720

Tank Number:

02-MAY-1985 Install Date: Tank Status: CLS IN GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Υ Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ

Direction Distance Elevation

Site Database(s) **EPA ID Number**

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST Fac Id: 3021159 Own Id: 35720 Tank Number:

Install Date: 02-MAY-1985 Tank Status: CLS IN GRD **PRESSURE** Pipe Type:

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other

Pipe Materials: Other Note Not reported

Ν

Tank Number: 5 Tank Capacity: 10000 Tank Contents: **GASOLINE** Tank Status: **CURR IN USE** UST

Tank Type:

Tank Material:

Tank Type: UST Fac Id: 3021159 Own Id: 35720 Tank Number: 5

Install Date: 02-MAY-1985

CURR IN USE Tank Status:

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν

Direction Distance Elevation

Site Database(s) **EPA ID Number**

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

Tank Materials: Double Walled Υ Ν Tank Materials: Lined Interior Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

UST Tank Type: Fac Id: 3021159 Own Id: 35720 Tank Number: 5

02-MAY-1985 Install Date: **CURR IN USE** Tank Status:

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Ν Tank Release Detection:Tank Tightness Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Υ Tank Release Detection: Spill Install Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Υ

Tank Release Detection: Other Method Ν Not reported Tank Release Detection: Other Note

Pipe Release Detection: Leak Deferred Not reported Pipe Release Detection: Autoleak Υ Pipe Release Detection: Line Tightness Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν

Υ Pipe Release Det: Int Secondary Containment Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν Pipe Release Detection: Other Note

Not reported

Pipe Material:

Tank Type: UST Fac Id: 3021159 Own Id: 35720 Tank Number: 5

Install Date: 02-MAY-1985 Tank Status: **CURR IN USE** Pipe Type: **PRESSURE**

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

Pipe Materials: Unknown N
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

 Tank Number:
 6

 Tank Capacity:
 1000

 Tank Contents:
 MOTOR OIL

 Tank Status:
 REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 6

Install Date: 02-MAY-1985
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν

Tank Materials: Repaired N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 6

Install Date: 02-MAY-1985
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Υ Υ Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Υ Tank Release Detection: Stat Invent Recon Ν Υ Tank Release Detection: Spill Install Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν

Tank Release Detection: Other Note

Pipe Release Detection: Leak Deferred

Not reported

Not reported

Pipe Release Detection: Autoleak N

Tank Release Detection: Other Method

Direction
Distance
Elevation

EDR ID Number
Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

Pipe Release Detection: Line Tightness Y
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 6

Install Date: 02-MAY-1985
Tank Status: REM FROM GRD
Pipe Type: VALVE: SUCTION

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Ν Pipe Materials: Repaired Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: 7
Tank Capacity: 550
Tank Contents: MOTOR OIL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

Tank Materials: Other

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 7

Install Date: 02-MAY-1985 Tank Status: REM FROM GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket Tank Materials: Repaired Ν Tank Materials: Unknown Ν

Tank Materials: Other Note Not reported

Ν

Direction Distance Elevation

Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

Release: UST Tank Type: 3021159 Fac Id: Own Id: 35720 Tank Number: 02-MAY-1985 Install Date: Tank Status: **REM FROM GRD** Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Υ Tank Release Detection: Autogauge Υ Υ Tank Release Detection: Tank Tightness

Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Υ Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
Y
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 7

Install Date: 02-MAY-1985
Tank Status: REM FROM GRD
Pipe Type: VALVE: SUCTION

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Υ Pipe Materials: Fiberglass Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: 8
Tank Capacity: 1000
Tank Contents: USED OIL

Direction Distance Elevation

Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

Tank Status: **REM FROM GRD** Tank Type: UST Tank Material: Tank Type: UST Fac Id: 3021159 Own Id: 35720 Tank Number: 8 02-MAY-1985 Install Date: Tank Status: **REM FROM GRD** Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Ν Tank Materials: Unknown Tank Materials: Other Ν Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 8

Install Date: 02-MAY-1985
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Υ Υ Tank Release Detection: Autogauge Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Υ Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
Y Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Direction Distance Elevation

Site Database(s)

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

EPA ID Number

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3021159

 Own Id:
 35720

 Tank Number:
 8

Install Date: 02-MAY-1985
Tank Status: REM FROM GRD
Pipe Type: GRAVITY

Pipe Type: Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Υ Pipe Materials: Fiberglass Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

SPILLS NO:

Region: NO ld: 2972

Incident Summary: Not reported Date In: Not reported Date Closed: Not reported #6 FUEL OIL Pollution Type: Responsible Party: Not reported Facility Status: OPEN Owner: Not reported Facility Contact: Not reported Facility Permitted: Not reported Facility Telephone: 703-838-4660 Not reported Time In: Reported By Name: DISPATCHER COX

Reported By Telephone: Not reported Reported By Affiliation/Addr: Not reported Incident Response IR #: Not reported Responsible Party Name: Not reported Responsible Party Address: Not reported Responsible Party City: Not reported Responsible Party Zip: Not reported Responsible Party Contact: Not reported Not reported Responsible Party Telephone: Owner Name: Not reported Owner Address: Not reported Owner City: Not reported Owner State: Not reported Owner Zip: Not reported Owner Contact: Not reported Owner Telephone: Not reported Incident Date: Not reported Not reported Incident Time: Not reported Petroleum: Solid Waste: Not reported

Direction Distance Elevation

Database(s) EPA ID Number

Database(s) EPA ID Number

Not reported

HERTZ RENT A CAR (AREA 1898-11) (Continued)

Hazardous Waste:

Prep Number:

Report Date:

Report Time:

Pollutant Scr:

Volume Esc:

Volume:

U003681495

Not reported Water: Not reported Air: Sewage: Not reported Fish Kill: Not reported Threat Wetlands: Not reported Wetlands: Not reported Material Released: Not reported Not reported Possible Receptors: Quantity Released: Not reported Unit Released: Not reported Quantity In Water: Not reported Receiving Waters: Not reported River Basin: 1A Inspection Date: Not reported Call Date: Not reported Not reported Inspector: Response Due: Not reported Response Received Date: Not reported Visit Needed: Not reported Not reported Open: Air Referral Date: Not reported Air Reg/ Permit Number: Not reported Waste Referral Date: Not reported Epa Id Or Permit Number: Not reported Water Referral Date: Not reported Water Permit Number: Not reported Remediation Referral Date: Not reported Remediation Pc Number: Not reported Not reported **Enforcement Referral Date:** Not reported Nov Number: Pc Number: Not reported Receive By: Not reported Case Officer: Not reported Not reported Case Type: Street Address: ALEX FIRE DEPT Polllutant: Not reported Impact: Not reported Spill Time: Not reported Spill Date: 3/18/1997 Spill Volume: Not reported Measure: Not reported Volume In Water: Not reported FOUR MILE RUN Stream Name: Investigation Date: Not reported Closure Date: Not reported Lab Results: Not reported Target Date: Not reported

Remarks: BACKHOE STRUCK FUEL OIL AST; LOSS 50 GAL TO GROUND, APPROX 4,000 GAL

STILL IN TANK. OLD TOWN CONTRACTING TO PUMP TANK. WITHIN 70 FEET OF

UNSPECIFIED CREEK

97-3838

1105

SOIL

50

0

3/18/1997

Distance Elevation

Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

Future Recommendations: Not reported Stream Code: FOU Visit Date: Not reported Lab Date: Not reported File Close Date: Not reported Not reported Prep Copy: ALEXANDRIA City: Incident Summary: Not reported Not reported Reported: Results: Not reported Inspection Comments: Not reported

Region: NO

ld: Not reported Incident Summary: Not reported Date In: 8/21/2008 Date Closed: 9/4/2008 Pollution Type: Not reported Responsible Party: Not reported **Facility Status:** Not reported Owner: Not reported Facility Contact: Not reported

Facility Permitted: Facility Telephone: Not reported Time In: Not reported Reported By Name: Anonymous Reported By Telephone: Not reported Reported By Affiliation/Addr: Not reported 2009-N-0119 Incident Response IR #: Responsible Party Name: Not reported Responsible Party Address: Not reported Responsible Party City: Not reported Responsible Party Zip: Not reported Responsible Party Contact: Not reported Responsible Party Telephone: Not reported Not reported Owner Name: Owner Address: Not reported Owner City: Not reported Owner State: Not reported Owner Zip: Not reported Owner Contact: Not reported

Petroleum: 0 Solid Waste: 0 Hazardous Waste: 0 Water: 0 Air: -1 Sewage: 0 Fish Kill: 0 Threat Wetlands: 0 Wetlands:

Owner Telephone:

Incident Date:

Incident Time:

Material Released: paint fumes/particles
Possible Receptors: Not reported
Quantity Released: on-going - unknown

Not reported

8/21/2008 Not reported

Unit Released: Not reported

Direction Distance Elevation

n Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

Quantity In Water: Not reported Receiving Waters: Not reported River Basin: Not reported Inspection Date: 8/26/2008 Call Date: Not reported Inspector: Wilkinson Response Due: Not reported Response Received Date: Not reported

Visit Needed: 0
Open: 0

Air Referral Date: Not reported J. Wilkinson Air Reg/ Permit Number: Waste Referral Date: Not reported Epa Id Or Permit Number: Not reported Water Referral Date: Not reported Water Permit Number: Not reported Not reported Remediation Referral Date: Remediation Pc Number: Not reported **Enforcement Referral Date:** Not reported Nov Number: Not reported Pc Number: Not reported Receive By: Not reported Case Officer: Not reported Case Type: Not reported Street Address: Not reported Polllutant: Not reported Impact: Not reported Spill Time: Not reported Spill Date: Not reported Not reported Spill Volume: Measure: Not reported Volume In Water: Not reported Stream Name: Not reported Investigation Date: Not reported Closure Date: Not reported Not reported Lab Results: Not reported Target Date: Prep Number: Not reported Report Date: Not reported Report Time: Not reported Pollutant Scr: Not reported Volume: Not reported Volume Esc: Not reported Not reported Remarks: Future Recommendations: Not reported Stream Code: Not reported Visit Date: Not reported Lab Date: Not reported File Close Date: Not reported Not reported Prep Copy:

Incident Summary: Caller stated Hertz Rental Cars is painting vehicles in parking lot in

Not reported

open air. This is on-going now.

Reported: Not reported Results: Not reported

City:

Inspection Comments: On August 26, 2008, Mr. Melvin Watson (Hertz) was contacted via

telephone. DEQ personnel (Justin Wilkinson) explained to Mr. Watson

Direction Distance Elevation

Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

that DEQ had received a complaint call similar to the call received on January 4, 2007, which prompted a site visit by DEQ personnel on January 10, 2007. Mr. Watson confirmed that the spot painting operation was being conducted no differently than it was when DEQ conducted the site visit in 2007. Mr. Watson reported that he would speak to the persons responsible for this operation to confirm that the operation has not changed and also to see if anything could be accomplished to prevent the odor complaint issues to arise in the future. On August 27, 2008, a return phone call was placed to Mr. Watson. Mr. Watson explained that the facility has relocated the operation to the other side of the property in hopes that this would prevent the odor complaints from continuing. Mr. Watson further explained that the car dealership on their property line conducts the same operation which may be an additional source of this complaint. DEQ informed Mr. Watson that if any additional complaints are received, a site visit will be made to investigate any additional possible sources for this complaint and that DEQ was appreciative of the steps that the facility has taken to help prevent future complaints from arising.

Region: NO

ld: Not reported Incident Summary: Not reported Date In: 2/23/2009 Date Closed: 2/24/2009 Pollution Type: Not reported Responsible Party: Hertz Corp **Facility Status:** Not reported Owner: Not reported Facility Contact: Not reported

Facility Permitted: 0

Facility Telephone: Not reported Time In: 2:59:00 PM

Reported By Name: VEOC from Tim Egan

Reported By Telephone: 2013072526
Reported By Affiliation/Addr: Hertz Corp.
Incident Response IR #: 2009-N-0508
Responsible Party Name: 225 Brae Blvd
Responsible Party Address: Parkridge
Responsible Party City: NJ

Responsible Party Zip: Not reported Responsible Party Contact: Tim Egan Responsible Party Telephone: 2013072526 Not reported Owner Name: Owner Address: Not reported Owner City: Not reported Owner State: Not reported Owner Zip: Not reported Owner Contact: Not reported Owner Telephone: Not reported Incident Date: 2/23/2009 Incident Time: Not reported

 Petroleum:
 -1

 Solid Waste:
 0

 Hazardous Waste:
 0

 Water:
 0

 Air:
 0

Distance Elevation Site

Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

Sewage: 0
Fish Kill: 0
Threat Wetlands: 0
Wetlands: 0
Material Released: gasoline
Possible Receptors: Not reported

Quantity Released: 99 Unit Released: gallons Quantity In Water: None Receiving Waters: Not reported River Basin: Not reported Not reported Inspection Date: Call Date: Not reported Inspector: Not reported Response Due: Not reported Response Received Date: Not reported

Visit Needed: 0
Open: 0

Air Referral Date: Not reported Not reported Air Reg/ Permit Number: Waste Referral Date: Not reported Epa Id Or Permit Number: Not reported Water Referral Date: Not reported Water Permit Number: Not reported 2/24/2009 Remediation Referral Date: Remediation Pc Number: Not reported **Enforcement Referral Date:** Not reported Nov Number: Not reported Not reported Pc Number: Receive By: Not reported Not reported Case Officer: Case Type: Not reported Street Address: Not reported Polllutant: Not reported Not reported Impact: Spill Time: Not reported Spill Date: Not reported Spill Volume: Not reported Measure: Not reported Volume In Water: Not reported Stream Name: Not reported Investigation Date: Not reported Closure Date: Not reported Lab Results: Not reported Not reported Target Date: Prep Number: Not reported Report Date: Not reported Report Time: Not reported Pollutant Scr: Not reported Volume: Not reported Volume Esc: Not reported Remarks: Not reported Future Recommendations: Not reported Stream Code: Not reported Visit Date: Not reported Lab Date: Not reported

Not reported

File Close Date:

Direction Distance

Elevation Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

Prep Copy: Not reported City: Not reported

Incident Summary: Hertz Corp reported a release of gasoline due to a leaky fitting on an

underground storage tank

Reported: Not reported Results: Not reported

Inspection Comments: Leaky fitting was removed & plugged; top layer of soil was excavated.

TIER 2:

CAS Number: 75-71-8
SIC Code: 7514
NAICS: Not reported

Entered Chemical Name: METHANE, DICHLORODIFLUORO-

Average Amt Code:

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: 74-86-2
SIC Code: 7514
NAICS: Not reported
Entered Chemical Name: ACETYLENE

Average Amt Code: 1

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 7514
NAICS: Not reported Entered Chemical Name: MOTOR OIL

Average Amt Code: 2

Owner Name: THE HERTZ CORPORATION
Owner Phone: 703-683-9192

Contact Type: Not reported

CAS Number: Not reported
SIC Code: 7514

NAICS: Not reported

Average Amt Code:

Entered Chemical Name:

Owner Name: THE HERTZ CORPORATION

OXYGEN

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 7514
NAICS: Not reported Entered Chemical Name: PROPANE

Average Amt Code: 1

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 7514
NAICS: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

Entered Chemical Name: WINDSHIELD WASHER FLUID

Average Amt Code:

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported
SIC Code: 7514
NAICS: Not reported
Entered Chemical Name: UNLEADED FUEL

Average Amt Code: 3

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported
SIC Code: 99999
NAICS: Not reported
Entered Chemical Name: CAR WASH SOAP

Average Amt Code: 2

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192
Contact Type: Not reported

 CAS Number:
 811-97-2

 SIC Code:
 7514

 NAICS:
 Not reported

Entered Chemical Name: 1,1,1,2-TETRAFLUOROETHANE

Average Amt Code: 2

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 99999 NAICS: Not reported

Entered Chemical Name: WINDSHIELD WASHER FLUID

Average Amt Code: 2

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 99999 NAICS: Not reported Entered Chemical Name: OXYGEN

Average Amt Code: 1

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: 67-56-1
SIC Code: 99999
NAICS: Not reported
Entered Chemical Name: METHANOL

Average Amt Code: 2

Owner Name: THE HERTZ CORPORATION

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U003681495

Direction Distance

Elevation Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 99999 NAICS: Not reported Entered Chemical Name: MOTOR OIL

Average Amt Code: 2

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 99999
NAICS: Not reported Entered Chemical Name: DIESEL FUEL

Average Amt Code: 3

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 99999 NAICS: Not reported Entered Chemical Name: PROPANE

Average Amt Code:

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 99999
NAICS: Not reported Entered Chemical Name: ANTI-FREEZE

Average Amt Code: 2

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: 811-97-2 SIC Code: 99999 NAICS: Not reported

Entered Chemical Name: TETRAFLUOROETHANE

Average Amt Code: 2

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 99999 NAICS: Not reported Entered Chemical Name: ACETYLENE

Average Amt Code:

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

HERTZ RENT A CAR (AREA 1898-11) (Continued)

U003681495

EDR ID Number

CAS Number: Not reported
SIC Code: 99999
NAICS: Not reported
Entered Chemical Name: SAFETY KLEEN

Average Amt Code:

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 7514
NAICS: Not reported Entered Chemical Name: METHANOL

Average Amt Code: 2

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 99999 NAICS: Not reported

Entered Chemical Name: TRANSMISSION FLUID

Average Amt Code:

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 99999 NAICS: Not reported

Entered Chemical Name: DILHLOROD FLUOMETHIN FOLEON

Average Amt Code: 2

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported
SIC Code: 99999
NAICS: Not reported
Entered Chemical Name: UNLEADED FUEL

Average Amt Code: 3

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 7514
NAICS: Not reported Entered Chemical Name: SOAP
Average Amt Code: 2

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 7514
NAICS: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HERTZ RENT A CAR (AREA 1898-11) (Continued)

Entered Chemical Name: ANTI FREEZE

Average Amt Code:

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 7514 NAICS: Not reported

Entered Chemical Name: TRANSMISSION FLUID

Average Amt Code:

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

CAS Number: Not reported SIC Code: 7514 NAICS: Not reported **Entered Chemical Name: DIESEL FUEL**

Average Amt Code:

Owner Name: THE HERTZ CORPORATION

Owner Phone: 703-683-9192 Contact Type: Not reported

C12 **HERTZ CORP** RCRA-SQG 1000423529 3800 JEFFERSON DAVIS HWY **FINDS** VAD981937360

West 1/8-1/4 **ALEXANDRIA, VA 22305**

0.153 mi.

807 ft. Site 3 of 5 in cluster C

RCRA-SQG: Relative:

Date form received by agency: 03/02/1987 Lower

HERTZ CORP Facility name:

Actual: 3800 JEFFERSON DAVIS HWY Facility address: 11 ft. ALEXANDRIA, VA 22305

> VAD981937360 EPA ID:

> Contact: DANIEL MAURA

3800 JEFFERSON DAVIS HWY Contact address:

ALEXANDRIA, VA 22305

Contact country: US

Contact telephone: (703) 683-9235 Contact email: Not reported

EPA Region: 03

Classification: Small Small Quantity Generator

Handler: generates more than 100 and less than 1000 kg of hazardous Description:

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

HERTZ CORP Owner/operator name: Owner/operator address: **OWNERSTREET**

OWNERCITY, AK 99999

Owner/operator country: Not reported Owner/operator telephone: (215) 555-1212

Legal status: Private U003681495

NJ MANIFEST

Map ID MAP FINDINGS
Direction

Distance Elevation

n Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET

OPERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: Nο On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: Nο Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: Nο

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F001

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:

TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED

FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE

IN FUUZ, FUU4, AND FUU5, AND STILL BOTTOWS FROW THE RECOVERY OF

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110029104396

Direction Distance Elevation

Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NJ MANIFEST:

Manifest Code: NJA5068356 EPA ID: VAD981937360 Date Shipped: 20050919 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050919 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050928 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 12070521 Reference Manifest Number: Not reported Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: NJA5070439 EPA ID: VAD981937360 Date Shipped: 20050217 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HERTZ CORP (Continued) 1000423529

Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050217 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050222 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 04190521 Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: NJA5223854 EPA ID: VAD981937360 Date Shipped: 20041223 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Not reported Transporter 10 EPA ID: Date Trans1 Transported Waste: 041223 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 041229 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 01310521 Reference Manifest Number: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Was Load Rejected (Y/N): No

Reason Load Was Rejected:

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Not reported

Not reported

Manifest Code: NJA5096907 EPA ID: VAD981937360 Date Shipped: 20040116 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Not reported Transporter 10 EPA ID: Date Trans1 Transported Waste: 040116 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 040130 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: 03170425 Data Entry Number: Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected:

Waste Code: Not reported

Manifest Year: Not reported Quantity: Not reported Unit: Not reported

Hand Code: Not reported

Manifest Code: 000796436SKS EPA ID: VAD981937360 Date Shipped: 10/2/200 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported

Direction Distance Elevation

vation Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 10/2/2

Date Trans2 Transported Waste: Not reported Not reported Date Trans3 Transported Waste: Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 10/8/2 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: Not reported Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

 Manifest Code:
 000868358SKS

 EPA ID:
 VAD981937360

 Date Shipped:
 9/17/200

TSDF EPA ID:
Transporter EPA ID:
Transporter 2 EPA ID:
Transporter 3 EPA ID:
Not reported
Not reported
Not reported

Transporter 4 EPA ID:

Transporter 5 EPA ID:

Not reported

Not reported

Transporter 6 EPA ID:

Transporter 7 EPA ID:

Transporter 8 EPA ID:

Transporter 10 EPA ID:

Date Trans1 Transported Waste:

Not reported

Not reported Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 9/25/2

Tranporter 1 Decal:
Tranporter 2 Decal:
Data Entry Number:
Reference Manifest Number:
Not reported
Not reported
Not reported
Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: D039

Manifest Year: 2007 New Jersey Manifest Data

Quantity: 8 Unit: G Hand Code: H02

Manifest Code: 000482830SKS EPA ID: VAD981937360 Date Shipped: 4/18/200 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Not reported Transporter 10 EPA ID: Date Trans1 Transported Waste: 4/18/2 Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 4/25/2 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: Not reported Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: D039

Manifest Year: 2007 New Jersey Manifest Data

Quantity: 15 Unit: G Hand Code: H02

Manifest Code: 000413122SKS EPA ID: VAD981937360 Date Shipped: 4/3/2007 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported

Direction
Distance

Elevation Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported

Not reported
Not reported
Not reported

Date Trans1 Transported Waste: 4/3/20 Date Trans2 Transported Waste: Not reported Not reported Date Trans3 Transported Waste: Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 4/10/2 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: Not reported Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: D039

Manifest Year: 2007 New Jersey Manifest Data

Quantity: 8 Unit: G Hand Code: H02

Manifest Code: NJA5070709 EPA ID: VAD981937360 Date Shipped: 20050222 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Not reported Transporter 10 EPA ID: Date Trans1 Transported Waste: 050222 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050301 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 04290521 Reference Manifest Number: Not reported

Direction
Distance
Elevation

Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Was Load Rejected (Y/N): No

Reason Load Was Rejected:
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported

Hand Code:

Not reported

Manifest Code: NJA5214856 EPA ID: VAD981937360 Date Shipped: 20050607 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported

Not reported

Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Not reported Transporter 10 EPA ID: Date Trans1 Transported Waste: 050607 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050611 Not reported Tranporter 1 Decal: Not reported Tranporter 2 Decal:

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

07210521

Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Data Entry Number: Reference Manifest Number:

Manifest Code: NJA5072380 VAD981937360 EPA ID: Date Shipped: 20050720 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050720 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050727 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 09020521 Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: NJA5225196 EPA ID: VAD981937360 Date Shipped: 20050603 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Not reported Transporter 10 EPA ID: Date Trans1 Transported Waste: 050603 000000 Date Trans2 Transported Waste: Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050606 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported 07010521 Data Entry Number: Reference Manifest Number: Not reported

Direction
Distance
Elevation

Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Was Load Rejected (Y/N): No

Reason Load Was Rejected:
Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Not reported

02170621

Not reported

Manifest Code: NJA5255483 EPA ID: VAD981937360 Date Shipped: 20051122 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Not reported Transporter 10 EPA ID: Date Trans1 Transported Waste: 051122 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 051123 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal:

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Not reported Hand Code: Not reported

Data Entry Number: Reference Manifest Number:

Manifest Code: NJA5225670 EPA ID: VAD981937360 Date Shipped: 20050405 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050405 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050415 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 05270522 Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code:

Date Shipped:

EPA ID:

TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Not reported Transporter 10 EPA ID: Date Trans1 Transported Waste: 1/8/2008 Not reported Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Date Trans4 Transported Waste: Not reported

000963576SKS

VAD981937360

1/8/2008

Not reported

Not reported

Not reported

Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 1/13/2008 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: Not reported Reference Manifest Number: Not reported

Date Trans5 Transported Waste:

Date Trans6 Transported Waste:

Date Trans7 Transported Waste:

Direction Distance Elevation

ration Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: D039

Manifest Year: 2008 New Jersey Manifest Data

Quantity: 8 Unit: G Hand Code: H141

Manifest Code: NJA5310910 EPA ID: VAD981937360 Date Shipped: 20060308 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 060308 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 060313 Not reported Tranporter 1 Decal: Not reported Tranporter 2 Decal: Data Entry Number: 05050621 Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: NJA5256620 EPA ID: VAD981937360 Date Shipped: 20060627 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 060627 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 060628 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 08070622 Reference Manifest Number: Not reported

No

Not reported

Was Load Rejected (Y/N):

Reason Load Was Rejected:

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5309477 EPA ID: VAD981937360 Date Shipped: 20060517 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Not reported Transporter 10 EPA ID: Date Trans1 Transported Waste: 060517 000000 Date Trans2 Transported Waste: Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 060524 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported 07120625 Data Entry Number: Reference Manifest Number: Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

HERTZ CORP (Continued) 1000423529

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: 000377390SKS EPA ID: VAD981937360 Date Shipped: 2/20/200 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported

Transporter 4 EPA ID:

Transporter 5 EPA ID:

Not reported
Not reported
Not reported
Not reported
Transporter 6 EPA ID:

Transporter 7 EPA ID:

Transporter 8 EPA ID:

Transporter 10 EPA ID:

Date Trans1 Transported Waste:

Date Trans2 Transported Waste:

Not reported
2/20/2
Not reported

Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 2/26/2 Tranporter 1 Decal: Not reported

Tranporter 1 Decal: Not reported
Tranporter 2 Decal: Not reported
Data Entry Number: Not reported
Reference Manifest Number: Not reported
Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: D039

Manifest Year: 2007 New Jersey Manifest Data

Quantity: 18 Unit: G Hand Code: H02

Manifest Code: NJA5310195 EPA ID: VAD981937360 Date Shipped: 20060821 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Not reported Transporter 3 EPA ID: Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HERTZ CORP (Continued) 1000423529

Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 060821 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 060830 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 09270621 Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

C13 HERTZ CORP.

West 3800 JEFFERSON DAVIS HIGHWAY

1/8-1/4 ALEXANDRIA, VA 0 0.153 mi.

807 ft. Site 4 of 5 in cluster C

Relative:

Lower LUST REG NO:

NO Region: Actual: Facility ID: 3021159 11 ft. Status: Closed

Tank Size: Product: Not reported

Release Date: 03/17/1987 Closed Date: 3/17/1997

Case Type: Article 9/File Missing Case Officer: Ron C. Linton Pollution Complaint #: 87-0710

Permit Number: 0 Priority:

Region: NO Facility ID: 3021159 Status: Closed Tank Size:

Product: Not reported 11/22/1993 Release Date: 4/25/1995 Closed Date: Case Type: Article 9

VA LUST

VA LTANKS

VA INST CONTROL

VA FINANCIAL ASSURANCE

VA SPILLS

VA VCP

S103457705

N/A

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HERTZ CORP. (Continued)

S103457705

Case Officer: Thomas R. Lancaster, P.G.

Pollution Complaint #: 94-0872 Permit Number: 0 Priority:

LTANKS:

NVRO Region:

CEDS Facility Id: 200000194012 Case Status: Closed Pollution Complaint #: 19870710 Reported: 17-MAR-1987

NVRO Region:

CEDS Facility Id: 200000194012 Case Status: Closed Pollution Complaint #: 20093148 23-FEB-2009 Reported:

Region: **NVRO**

200000194012 CEDS Facility Id: Case Status: Closed Pollution Complaint #: 19940872 Reported: 22-NOV-1993

SPILLS:

Threat To:

Fips City/County: Alexandria City Status: Closed 2529 Reference Id: IR Number: 2010-N-2156 Associated IR: Not reported Incident Date: 05-Feb-2010 Call Received Date: 11-Feb-2010 Closure Comments: NFA

Terrorism (Y/N): Ν Characterize Incident: Accidental

Incident Type: * Petroleum * Petroleum * Surface Spill Incident Subtype:

Materials: * Gasoline (50-50 Gallons) Effect To Receptor: Impacted

Water Body: Fourmile Run/Potomac River

Not reported

Low Quantity To Water: 50 High Quantity To Water: 50 Quantity Units: Gallons

Other Receptors: entered storm sewer

RP Company: Not reported RP Name: Not reported Property Owner: Not reported Property Company: Not reported Duration Of Event (Hrs):

Impacts: Not reported Not reported Other Impacts: Steps Taken: Not reported Not reported Steps Taken Description: System Components: Not reported Other System Components: Not reported

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

HERTZ CORP. (Continued) S103457705

Cause Of Event: Not reported Not reported Corrective Action Taken: Not reported Weather Status:

Precipitation (Wet):

Discharge Type: Not reported

Discharge Volume: Unknown Discharge (Y/N): Ν

Site Name: Hertz Rent A Car 16-Aug-2010 10:50 AM Closure Date:

Orig. Call Incident Description: "GASOLINE:CALLER REPORTING APPROX 50 GAL GASOLINE RELEASED TO GROUND

WHEN, DUE TO WEATHER CONDITIONS, PORTABLE PUMP ""GOT AWAY"" FROM EMPLOYEES AND PUMPED PRODUCT TO GROUND...SOME ENTERED STORM DRAINAISO

reported to NRC by Hertz: CALLER STATED THAT A 200 GALLON MOBILE TANK SHEARED OFF A TRANSFERLINE AS THE DRIVER ENTERED THE PARKING LOT. NEARLY ALL THE MATERIAL WENT INTO THE STORM DRAIN. Contractor enroute

for clean up. '

gasoline Original Call Material Description:

Original Call Location Description: "HERTZ RENT-A CAR, 3800 JEFFERSON DAVIS HWY"

Incident Ongoing at time of Call: Agencies Notified (Y/N): Υ

Other Agencies: Alexandria Fire Dept

Permitted (Y/N): Ν

Call Reported By Company Name: Alexandria Fire Dept

Call RP Company Name: Not reported Call RP Name: Not reported Call Property Owner Company Name: Not reported

Call Property Owner Name: Not reported

Site Summary: "Reported to DEQ 2/5/10. GASOLINE: CALLER REPORTING APPROX 50 GAL GASOLINE RELEASED TO GROUND WHEN, DUE TO WEATHER CONDITIONS, PORTABLE

PUMP ""GOT AWAY"" FROM EMPLOYEES AND PUMPED PRODUCT TO GROUND...SOME ENTERED STORM DRAINAlso reported to NRC by Hertz: CALLER STATED THAT A 200 GALLON MOBILE TANK SHEARED OFF A TRANSFERLINE AS THE DRIVER

ENTERED THE PARKING LOT. NEARLY ALL THE MATERIAL WENT INTO THE STORM

DRAIN. Contractor enroute for clean up. '

INST CONTROL:

Facility ID: VRP00197 Corrective Action Desc: Not reported Ground Water Use Restriction: True Res. Use Restriction: True **Excavattion Restruction:** True Other Condition of Issuance: False

Notes: Site is a former concrete plant and landfill. 7/1/97- no agreement,

regulations promulgated 6/26/97. Site participation is under regulations, including public notice. Revised Site characterization Report received 10/97. Meeting with PR on 11/25/97. Provided comments

on revised SCR to Participant 3/9/97. Meeting scheduled for 4/6/98.

Certificate issueed 9/98

VRP:

Facility ID: VRP00197 Site Status: Certificate Issued Site Status 2: Certificate Recorded

DEQ Region: Northern Sizs in Acres: 13

Site Type: Land Disposal

Direction Distance Elevation

n Site Database(s) EPA ID Number

HERTZ CORP. (Continued)

S103457705

EDR ID Number

Corrective Action Desc: Not reported Alexandria Toyota Owner Name: Not reported Owner Contact: Owner Address: Not reported Owner Phone: Not reported Operator Name: Not reported Not reported Operator Owner: Operator Phone: Not reported Participant Name: Alexandria Toyota

Relationship to Site:
Participant Contact:
Participant Phone:
Participant Title:
Participant Affiliation:

Commer
Amy Edwards
202-457-5917
Attorney at Law
Holland & Knight

Participant Address: 2100 Pennsylvania Avenue, Suite 100

Participant City, St, Zip: Washington, DC 20037-3202

Additional Parts: Not reported

Participation Notes: Site is eligible and active in program --fees paid in 7/97

Participant Rep/Contractor: Not reported Participant Rep/Contractor Phone: Not reported Participant Rep/Contractor Title: Not reported Participant Rep/Contractor Affiliation: Not reported Participant Rep/Contractor Address: Not reported Participant Rep/Contractor City, St, Zip: Not reported Metal Contaminants Present in Soil: Not reported Organic Contaminants Present in Soil: Not reported Metal Contaminants Present in GW: Not reported Organic Contaminants Present GW: Not reported

DEQ Staff Case Manager's Initials: IS

Cleanup Standards: Tier III (risk
No Further VRP Action Date: Not reported
Date Participant Notified of NFA: Not reported
Certification Date: 1998-08-18
Deed Received Date: Not reported
Terms of NFA Determination: Not reported
Date VRP Eligibility Declared by Participant: 1997-04-18

Date VRP Eligibility Determined by DEQ Region: 1997-05-19 Dt Office Of Waste Permitting Verified Site Eligblty: Not reported Date VRP Eligibility Determined by VRP: 1997-05-20 Date Signed Agreement Submitted By Participant: Not reported Date Agreement Executed by DEQ: Not reported Registration Fee Amount Submitted by Participant: 789.63 Date Registration Fee Submitted by Participant: 1997-07-15 Site Characterization Document Number: 1,2,3,4,5 DEQ Concurrence with Site Characterization Date: Not reported Remedial Action Work Plan Document Number: Not reported DEQ Concurs with Remedial Action Work Plan Date: Not reported Completion Report Document Number: Not reported DEQ Concurrs with Completion Report Date: Not reported

Submittal Date for Document Number 1: 1997-05-20

Title of Submitted Document Number 1: Phase II ESA (dated 1/3/96)

Submittal Date for Document Number 2: 1997-05-20

Title of Submitted Document Number 2: Report of Geotechnical Findings (dated 12/19/96)

Submittal Date for Document Number 3: 1997-05-20

Title of Submitted Document Number 3: Addendum to Geotechnical Findings (dated 1/30/97)

Submittal Date for Document Number 4: 1997-05-20

Title of Submitted Document Number 4: Phase II ESA Supplemental Samplling (dated 1/30/97)

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HERTZ CORP. (Continued) S103457705

Submittal Date for Document Number 5: 1997-05-20

Phase I ESA (dated 6/96) Title of Submitted Document Number 5:

Submittal Date for Document Number 6: Not reported Title of Submitted Document Number 6: Not reported Submittal Date for Document Number 7: Not reported Not reported Title of Submitted Document Number 7: Not reported Submittal Date for Document Number 8: Title of Submitted Document Number 8: Not reported DEQ Response Incident ID Number: Not reported EPA CERCLIS ID: Not reported EPA RCRA ID NUMBER: Not reported Not reported **DEQ Pollution Complaint Number:** Certificate recorded Latest Action Relative To Site: Latest Action Relative To Site Date: 1998-12-01

Next VRP Step Needed Relating To Site: Not reported Not reported Pending Since: Date Next Step Should Be Completed: Not reported

Lat/Long: 38.839440400000001 / 77.053365900000003

Brownfield Tax Incentive: Not reported Ground Water Use Restriction: True Res. User Restriction: True **Excavattion Restruction:** True Unrestricted: False Other Condition of Issuance: False

GPS Lat: 38.839530000000003 GPS Long: -77.0527000000000002

GPS taken from entrance to parking lot. GPS Desc: Notes: Site is a former concrete plant and landfill. 7/1/97- no agreement,

regulations promulgated 6/26/97. Site participation is under regulations, including public notice. Revised Site characterization Report received 10/97. Meeting with PR on 11/25/97. Provided comments on revised SCR to Participant 3/9/97. Meeting scheduled for 4/6/98.

Certificate issueed 9/98

VA FINANCIAL ASSURANCE:

Facility ID: 3021159 FRP Financial Assurance: Full

Owner Name: HERTZ RENT A CAR (AREA 1898-11)

ROF Own Id: 35720 UST Tank Type: Mechanism: Surety Bond Gallonage: Not reported Per Occurence: 30000 Third Party: 120000 Annual Aggregate: 150000 In Compliance: Not reported

Total Capacity: 2000

CEDS Facility Name: Hertz Rent A Car 1898 20 - Alexandria

200000194012 CEDS Facility Id:

Tank Type Count:

3800 Jefferson Davis Hwy Location:

Direction Distance

Elevation Site Database(s) **EPA ID Number**

C14 **ALEXANDRIA TOYOTA SITE** RCRA-NonGen 1001216422 West 3800 JEFFERSON DAVIS HWY **FINDS** VAR000008888

1/8-1/4 **ALEXANDRIA, VA 22313**

0.155 mi.

817 ft. Site 5 of 5 in cluster C

RCRA-NonGen: Relative:

Lower Date form received by agency: 04/29/1997

Facility name: ALEXANDRIA TOYOTA SITE Facility address: 3800 JEFFERSON DAVIS HWY

Actual: 13 ft. ALEXANDRIA, VA 22313

> EPA ID: VAR000008888 Not reported Contact: Contact address: Not reported

Not reported Contact country: Not reported Contact telephone: Not reported Contact email: Not reported

EPA Region: 03

Land type: Facility is not located on Indian land. Additional information is not known.

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: **OWNER** Owner/operator address: ST

CITY, AK 99999

Owner/operator country: Not reported (215) 555-1212 Owner/operator telephone: Legal status: Private

Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Nο Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:

04/29/1997 Evaluation date:

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported Date achieved compliance: Not reported **EDR ID Number**

NJ MANIFEST

Direction Distance Elevation

Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

Evaluation lead agency:

FINDS:

Registry ID: 110006178563

State

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NJ MANIFEST:

Manifest Code: NJA5251806 EPA ID: VAR000008888 Date Shipped: 20050915 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Not reported Transporter 2 EPA ID: Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050915 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Not reported Date Trans6 Transported Waste: Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050920 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 10310521 Reference Manifest Number: Not reported Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

 Manifest Code:
 NJA5222588

 EPA ID:
 VAR000008888

 Date Shipped:
 20050331

Direction Distance Elevation

Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

TSDF EPA ID: NJD002182897 TXR000050930 Transporter EPA ID: Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050331 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Not reported Date Trans7 Transported Waste: Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050406 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: 05260521 Reference Manifest Number: Not reported Was Load Rejected (Y/N): Nο Reason Load Was Rejected: Not reported

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5223126 VAR000008888 EPA ID: Date Shipped: 20050622 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050622 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

Date Trans10 Transported Waste:
Date TSDF Received Waste:
050628

Tranporter 1 Decal:
Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: NJA5255364 EPA ID: VAR000008888 Date Shipped: 20051110 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Not reported Transporter 2 EPA ID: Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Not reported Transporter 6 EPA ID: Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 051110 000000 Date Trans2 Transported Waste: Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Not reported Date Trans6 Transported Waste: Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 051117 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: 01180622 Reference Manifest Number: Not reported Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

 Manifest Code:
 NJA5072723

 EPA ID:
 VAR000008888

 Date Shipped:
 20050815

Direction Distance Elevation

Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

TSDF EPA ID: NJD002182897 TXR000050930 Transporter EPA ID: Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050815 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Not reported Date Trans7 Transported Waste: Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050817 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: 09120521 Reference Manifest Number: Not reported Was Load Rejected (Y/N): Nο Reason Load Was Rejected: Not reported

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5222280 VAR000008888 EPA ID: Date Shipped: 20050302 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050302 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported

Direction Distance Elevation

e EDR ID Number on Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

Date Trans10 Transported Waste:
Date TSDF Received Waste:
050307
Tranporter 1 Decal:
Not reported
Not reported
Not reported
Data Entry Number:
05020522
Reference Manifest Number:
Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: NJA5224036 VAR000008888 EPA ID: Date Shipped: 20050106 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Not reported Transporter 2 EPA ID: Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050106 000000 Date Trans2 Transported Waste: Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Not reported Date Trans6 Transported Waste: Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050112 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: 03210521 Reference Manifest Number: Not reported Was Load Rejected (Y/N): No Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

 Manifest Code:
 NJA5253826

 EPA ID:
 VAR000008888

 Date Shipped:
 20051208

Direction Distance Elevation

Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

TSDF EPA ID: NJD002182897 TXR000050930 Transporter EPA ID: Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 051208 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 051214 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: 02220621 Reference Manifest Number: Not reported Was Load Rejected (Y/N): Nο Reason Load Was Rejected: Not reported

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5068589 VAR000008888 EPA ID: Date Shipped: 20050718 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050718 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

Date Trans10 Transported Waste:
Date TSDF Received Waste:
050720
Tranporter 1 Decal:
Not reported
Not reported
Data Entry Number:
Reference Manifest Number:
Not reported
Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5068851 EPA ID: VAR000008888 Date Shipped: 20041020 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Not reported Transporter 2 EPA ID: Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 041020 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Not reported Date Trans6 Transported Waste: Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 041022 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 12060421 Reference Manifest Number: Not reported Was Load Rejected (Y/N): No Reason Load Was Rejected: Not reported

 Manifest Code:
 NJA5071673

 EPA ID:
 VAR000008888

 Date Shipped:
 20040818

Not reported

Not reported

Not reported Not reported

Not reported

Waste Code:

Quantity:

Unit: Hand Code:

Manifest Year:

Direction Distance Elevation

n Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

TSDF EPA ID: NJD002182897 TXR000050930 Transporter EPA ID: Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 040818 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Not reported Date Trans7 Transported Waste: Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 080824 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: 09170422 Reference Manifest Number: Not reported Was Load Rejected (Y/N): Nο Reason Load Was Rejected: Not reported

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5224686 VAR000008888 EPA ID: Date Shipped: 20041208 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 041208 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

Date Trans10 Transported Waste:

Date TSDF Received Waste:

Tranporter 1 Decal:

Tranporter 2 Decal:

Data Entry Number:

Reference Manifest Number:

Not reported

01270521

Not reported

Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: NJA5222017 EPA ID: VAR000008888 Date Shipped: 20050427 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Not reported Transporter 2 EPA ID: Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050427 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Not reported Date Trans6 Transported Waste: Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050505 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 06020522 Reference Manifest Number: Not reported Was Load Rejected (Y/N): No Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

 Manifest Code:
 NJA5069900

 EPA ID:
 VAR00008888

 Date Shipped:
 20050202

Direction Distance Elevation

Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

TSDF EPA ID: NJD002182897 TXR000050930 Transporter EPA ID: Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050202 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Not reported Date Trans7 Transported Waste: Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050210 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: 04130521 Reference Manifest Number: Not reported Was Load Rejected (Y/N): Nο Reason Load Was Rejected: Not reported

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5250721 VAR000008888 EPA ID: Date Shipped: 20051012 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 051012 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported

Direction Distance Elevation

EDR ID Number

n Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

Date Trans10 Transported Waste:
Date TSDF Received Waste:
051018
Tranporter 1 Decal:
Not reported
Tranporter 2 Decal:
Not reported
Data Entry Number:
12270521
Reference Manifest Number:
Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Quantity: Not reported Unit: Not reported Hand Code: Not reported

Manifest Code: NJA5093811 EPA ID: VAR000008888 Date Shipped: 20040116 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Not reported Transporter 2 EPA ID: Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Not reported Transporter 6 EPA ID: Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 040116 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Not reported Date Trans6 Transported Waste: Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 040130 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 03170425 Reference Manifest Number: Not reported Was Load Rejected (Y/N): No Reason Load Was Rejected: Not reported

Manifest Year:
Quantity:
Unit:
Hand Code:

Not reported
Not reported
Not reported
Not reported

Waste Code:

 Manifest Code:
 NJA5097204

 EPA ID:
 VAR000008888

 Date Shipped:
 20040205

Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

TSDF EPA ID: NJD002182897 TXR000050930 Transporter EPA ID: Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Not reported Transporter 7 EPA ID: Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 040205 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Not reported Date Trans7 Transported Waste: Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 040208 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal: Data Entry Number: 03180421 Reference Manifest Number: Not reported Was Load Rejected (Y/N): Nο Reason Load Was Rejected: Not reported

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

Manifest Code: NJA5117315 VAR000008888 EPA ID: Date Shipped: 20040205 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 040205 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported

Direction Distance Elevation

n Site Database(s) EPA ID Number

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

Date Trans10 Transported Waste:
Date TSDF Received Waste:
O40208
Tranporter 1 Decal:
Not reported
Not reported
Data Entry Number:
Reference Manifest Number:
Not reported
Not reported
Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported
Manifest Year: Not reported
Quantity: Not reported
Unit: Not reported
Hand Code: Not reported

 Manifest Code:
 000394461SKS

 EPA ID:
 VAR000008888

Date Shipped: 3/6/2007

TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Not reported Transporter 2 EPA ID: Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Not reported Transporter 6 EPA ID: Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 3/6/20

Date Trans2 Transported Waste: Not reported Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Not reported Date Trans6 Transported Waste: Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 3/12/2 Tranporter 1 Decal: Not reported Not reported Tranporter 2 Decal:

Data Entry Number: Not reported Reference Manifest Number: Not reported Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: D001

Manifest Year: 2007 New Jersey Manifest Data

Quantity: 22 Unit: G Hand Code: H02

Waste Code: D039

Manifest Year: 2007 New Jersey Manifest Data

Quantity: 16 Unit: G Hand Code: H02

Direction Distance

Elevation Site Database(s) **EPA ID Number**

ALEXANDRIA TOYOTA SITE (Continued)

1001216422

EDR ID Number

Manifest Code: NJA5225063 EPA ID: VAR000008888 Date Shipped: 20050527 TSDF EPA ID: NJD002182897 Transporter EPA ID: TXR000050930 Transporter 2 EPA ID: Not reported Transporter 3 EPA ID: Not reported Not reported Transporter 4 EPA ID: Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported Date Trans1 Transported Waste: 050527 Date Trans2 Transported Waste: 000000 Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 050531 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: 07120521 Reference Manifest Number: Not reported Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: Not reported Manifest Year: Not reported Not reported Quantity: Unit: Not reported Hand Code: Not reported

D15 **CRYSTAL CAR CARE INC** RCRA-SQG 1000582064 West **3700 JEFFERSON DAVIS HWY FINDS** VAD988208724

1/8-1/4 0.158 mi.

Actual:

832 ft. Site 1 of 3 in cluster D

RCRA-SQG: Relative:

Date form received by agency: 11/07/1991 Lower

ALEXANDRIA, VA 22305

CRYSTAL CAR CARE INC Facility name: Facility address: 3700 JEFFERSON DAVIS HWY

18 ft. ALEXANDRIA, VA 22305

EPA ID: VAD988208724 Contact: BAHIROD BAHIZAD

3700 JEFFERSON DAVIS HWY Contact address:

ALEXANDRIA, VA 22305

Contact country: US

Contact telephone: (703) 836-5200 Contact email: Not reported

EPA Region: 03

Classification: Small Small Quantity Generator

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

CRYSTAL CAR CARE INC (Continued)

1000582064

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: BAHIZAD BAHIROD

Owner/operator address: 3700 JEFFERSON DAVIS HWY

ALEXANDRIA, VA 22305

Owner/operator country: Not reported
Owner/operator telephone: (703) 836-5200

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Nο Furnace exemption: Nο Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code: D00

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D008 Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

Direction Distance

EDR ID Number Elevation **EPA ID Number** Site Database(s)

CRYSTAL CAR CARE INC (Continued)

1000582064

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005

THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL Waste name:

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110005249230

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport. and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

1009090262 D16 **AUTO SPECIALISTS EDR Historical Auto Stations**

West 3700 JEFFERSON DAVIS HWY

1/8-1/4 ALEXANDRIA, VA

0.158 mi.

Site 2 of 3 in cluster D 832 ft.

EDR Historical Auto Stations: Relative:

AUTO SPECIALISTS Name: Lower

> Year: 1979

Actual: AUTOMOBILE REPAIRING Type:

18 ft.

VA UST U003681413

D17 VIRGINIA ADJUSTABLE-BED MFG COR

3700 JEFFERSON DAVIS HWY West

1/8-1/4 **ALEXANDRIA, VA 22305**

0.158 mi.

832 ft. Site 3 of 3 in cluster D

UST: Relative: Lower Facility:

Facility Id: 3020729 Actual: Facility Type: COMMERCIAL 18 ft. CEDS Facility ID: 200000093435

N/A

N/A

Direction Distance Elevation

Site Database(s) EPA ID Number

VIRGINIA ADJUSTABLE-BED MFG COR (Continued)

U003681413

EDR ID Number

Owner:

Facility Id: 3020729 Owner Id: 30452

Owner Name: VIRGINIA ADJUSTABLE-BED MFG COR

Owner Address: 3700 JEFFERSON DAVIS HWY.

Owner Address2: Not reported

Owner City, State, Zip: ALEXANDRIA, VA 22305

UST Status: Not reported AST Status: Not reported

Federally Regulated: Yes

Tank Number: 1
Tank Capacity: NULL
Tank Contents: GASOLINE
Tank Status: CLS IN GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3020729

 Own Id:
 30452

Tank Number: 1

Install Date: Not reported Tank Status: CLS IN GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket Tank Materials: Repaired Ν

Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown Y
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3020729

 Own Id:
 30452

 Tank Number:
 1

Install Date: Not reported Tank Status: CLS IN GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Ν Tank Release Detection: Autogauge Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

VIRGINIA ADJUSTABLE-BED MFG COR (Continued)

U003681413

Tank Release Det: Int Secondary Containment Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST Fac Id: 3020729 Own Id: 30452 Tank Number:

Not reported Install Date: Tank Status: **CLS IN GRD** UNKNOWN Pipe Type:

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Ν Pipe Materials: Repaired Pipe Materials: Unknown Υ Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

E18 **ALEXANDRIA CITY PROPERTY** West 3600 JEFFERSON DAVIS HWY 1/8-1/4 **ALEXANDRIA, VA 22305**

0.163 mi.

862 ft. Site 1 of 2 in cluster E

LTANKS: Relative:

NVRO Region: Lower

CEDS Facility Id: 200000202953 Actual: Case Status: Closed 24 ft. Pollution Complaint #: 20023004

Reported: 11-JUL-2001 **VA LTANKS**

S105096125

N/A

Direction Distance

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

E19 CAR APPERANCE CENTER EDR Historical Auto Stations 1009089909
West 3600 JEFFERSON DAVIS HWY N/A

1/8-1/4 ALEXANDRIA, VA

0.163 mi.

862 ft. Site 2 of 2 in cluster E

Relative: EDR Historical Auto Stations:

Lower Name: SMITH S TEXACO

Year: 1962

Actual: Type: GASOLINE STATIONS 24 ft.

24 ft.

Name: ABDO TEXACO SERVICE STATION Year: 1974

Type: GASOLINE STATIONS

Name: CAR APPERANCE CENTER

Year: 1979

Type: GASOLINE STATIONS

F20 AVIS RENT A CAR SYSTEM INC VA UST U003966585
West 2301 JEFFERSON DAVIS HWY N/A

1/8-1/4 0.166 mi.

874 ft. Site 1 of 9 in cluster F

ALEXANDRIA, VA 22301

Relative: UST: Higher Facility:

 Actual:
 Facility Id:
 3006755

 37 ft.
 Facility Type:
 COMMERCIAL

 CEDS Facility ID:
 200000073770

Owner:

Facility Id: 3006755 Owner Id: 36573

Owner Name: Avis Rent A Car System Inc
Owner Address: 6 Sylvan Way Dept 29-093-36

Owner Address2: Not reported

Owner City, State, Zip: Parsippany, NJ 07054

UST Status: Reg AST Status: N/A
Federally Regulated: Yes

 Tank Number:
 1

 Tank Capacity:
 12000

 Tank Contents:
 GASOLINE

 Tank Status:
 REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3006755

 Own Id:
 36573

 Tank Number:
 1

Install Date: 15-NOV-1997
Tank Status: REM FROM GRD

Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass Y

Direction Distance Elevation

ance EDR ID Number vation Site Database(s) EPA ID Number

AVIS RENT A CAR SYSTEM INC (Continued)

U003966585

Tank Materials: Concrete Ν Ν Tank Materials: Composite Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3006755

 Own Id:
 36573

 Tank Number:
 1

Install Date: 15-NOV-1997
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Υ Tank Release Detection: Inventory Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Υ Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak

Pipe Release Detection: Line Tightness

N

Pipe Release Detection: Stat Invent Recon

N

Pipe Release Detection: Groundwater

N

Pipe Release Det: Int Secondary Containment

N

Pipe Release Det: Interior Double Walled

N

Pipe Release Detection: Other Method

N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3006755

 Own Id:
 36573

 Tank Number:
 1

 Install Date:
 15-NOV-1997

 Tank Status:
 REM FROM GRD

 Pipe Type:
 PRESSURE

Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AVIS RENT A CAR SYSTEM INC (Continued)

U003966585

S109939867

N/A

VA TIER 2

VA FINANCIAL ASSURANCE

Pipe Materials: Secondary Containment Υ Ν Pipe Materials: Repaired Pipe Materials: Unknown Ν Pipe Materials: Other

Pipe Materials: Other Note **Environ Geoflex**

VA LTANKS

F21 AVIS RENT A CAR SYSTEMS, INC. 2301 JEFFERSON DAVIS HIGHWAY West

1/8-1/4 ALEXANDRIA, VA 22301

0.166 mi.

874 ft. Site 2 of 9 in cluster F

LTANKS: Relative:

NVRO Higher Region: CEDS Facility Id: 200000073770 Actual: Case Status: Closed 37 ft.

Pollution Complaint #: 20043064 07-OCT-2003 Reported:

TIER 2:

CAS Number: 8006-61-9 SIC Code: 7514 NAICS: Not reported **GASOLINE Entered Chemical Name:**

Average Amt Code:

Owner Name: PAUL FEN Owner Phone: 973-496-3930 Contact Type: Not reported

CAS Number: Not reported SIC Code: 7514 NAICS: Not reported

Entered Chemical Name: WINSHIELD WASHER FLUID

Average Amt Code:

PAUL FEN Owner Name: 973-496-3930 Owner Phone: Contact Type: Not reported

CAS Number: Not reported SIC Code: 7514 NAICS: Not reported

Windshield Washer Fluid **Entered Chemical Name:**

Average Amt Code:

Owner Name: Rose Pelino (973) 496-3500 Owner Phone: Contact Type: Not reported

CAS Number: 8006-61-9 SIC Code: 7514 NAICS: Not reported **Entered Chemical Name:** Gasoline Average Amt Code:

Owner Name: Rose Pelino Owner Phone: (973) 496-3500 Contact Type: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AVIS RENT A CAR SYSTEMS, INC. (Continued)

S109939867

1009092586

N/A

VA FINANCIAL ASSURANCE:

3006755 Facility ID: FRP Financial Assurance: Min

Owner Name: Avis Rent A Car System Inc

ROF Own Id: 36573 UST Tank Type: Mechanism: Insurance Gallonage: Not reported Per Occurence: \$1,000,000 Third Party: \$1,000,000 Annual Aggregate: \$2,000,000 In Compliance: Not reported

Total Capacity:

CEDS Facility Name: Avis Rent A Car System Inc - Jefferson Davis Hwy

CEDS Facility Id: 200000073770

Tank Type Count:

Location: 2301 Jefferson Davis Hwy

G22 **RECONDITION REPAIR SHOP EDR Historical Auto Stations**

3500 JEFFERSON DAVIS HWY West ALEXANDRIA, VA

1/8-1/4 0.167 mi.

881 ft. Site 1 of 3 in cluster G

EDR Historical Auto Stations: Relative:

Name: ORAM S SUNOCO SERVICE STATION Lower

Year: 1958

Actual: **GASOLINE STATIONS** Type: 29 ft.

Name: A & L FOREIGN CAR SERVICE

Year:

Type: AUTOMOBILE REPAIRING

Name: RECONDITION REPAIR SHOP

Year:

Type: AUTOMOBILE REPAIRING

H23 RF&P (XREF 91-1668) **VA LUST** S103458231 2801 JEFFERSON DAVIS HIGHWAY West **VA LTANKS** N/A

1/8-1/4 ALEXANDRIA, VA 0

0.168 mi.

887 ft. Site 1 of 4 in cluster H

LUST REG NO: Relative: NO Region: Higher

Facility ID: 3012524 Actual: Status: Closed 40 ft. Tank Size: Not reported

Product: Not reported Release Date: 01/27/1980 6/23/1995 Closed Date: Case Type: Not reported

Case Officer: Thomas R. Lancaster, P.G.

80-0491 Pollution Complaint #: Permit Number: Not reported Priority: Not reported

Direction
Distance

Elevation Site Database(s) EPA ID Number

RF&P (XREF 91-1668) (Continued)

 Region:
 NO

 Facility ID:
 3012524

 Status:
 Closed

 Tank Size:
 0

Product: Not reported
Release Date: 11/02/1981
Closed Date: 6/23/1995
Case Type: Article 11
Case Officer: James D. Green

Pollution Complaint #: 82-0331 Permit Number: 0

Priority: Not reported

 Region:
 NO

 Facility ID:
 3012524

 Status:
 Closed

 Tank Size:
 0

Product: Not reported
Release Date: 05/07/1990
Closed Date: 10/16/2000
Case Type: Article 11
Case Officer: James D. Green
Pollution Complaint #: 91-1668

Permit Number: 0
Priority: -

NO Region: Facility ID: 3012524 Status: Closed Tank Size: Not reported Product: Other Release Date: 06/23/1991 Closed Date: 12/5/1997 Case Type: Article 11 Case Officer: James D. Green Pollution Complaint #: 91-1942 Permit Number: Not reported Priority: Not reported

 Region:
 NO

 Facility ID:
 3025178

 Status:
 Closed

 Tank Size:
 0

Product: Not reported
Release Date: 11/22/1994
Closed Date: 1/13/1997
Case Type: Article 9
Case Officer: James D. Green

Pollution Complaint #: 95-4131 Permit Number: 0 Priority: 3

LTANKS:

Region: NVRO
CEDS Facility Id: 200000075539
Case Status: Closed

Pollution Complaint #: 19954131

EDR ID Number

S103458231

Direction Distance

Elevation Site Database(s) **EPA ID Number**

RF&P (XREF 91-1668) (Continued)

S103458231

RCRA-CESQG 1009312504

VAR000511378

EDR ID Number

Reported: 22-NOV-1994

NVRO Region:

CEDS Facility Id: 200000075539 Case Status: Closed Pollution Complaint #: 19820331 Reported: 02-NOV-1981

NVRO Region:

CEDS Facility Id: 200000075539 Case Status: Closed Pollution Complaint #: 19800491 Reported: 27-JAN-1980

Region: **NVRO**

CEDS Facility Id: 200000075539 Case Status: Closed Pollution Complaint #: 19911668 Reported: 07-MAY-1990

NVRO Region:

CEDS Facility Id: 200000075539 Case Status: Closed Pollution Complaint #: 19911942 Reported: 23-JUN-1991

24 **TARGET STORE #1076** West 3101 JEFFERSON DAVIS HWY 1/8-1/4 **ALEXANDRIA, VA 22305**

0.169 mi. 894 ft.

RCRA-CESQG: Relative:

Date form received by agency: 01/09/2006 Higher

Facility name: TARGET STORE #1076

Facility address: 3101 JEFFERSON DAVIS HWY Actual: 33 ft. ALEXANDRIA, VA 22305

EPA ID: VAR000511378

P.O. BOX 111 Mailing address:

MINNEAPOLIS, MN 55440-1111

Contact: JENNIFER R RYMANOWSKI

Contact address: Not reported Not reported

Not reported Contact country: (612) 304-4417 Contact telephone: Contact email: Not reported

EPA Region: 03

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any

Direction Distance Elevation

Site Database(s) EPA ID Number

TARGET STORE #1076 (Continued)

1009312504

EDR ID Number

time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: TARGET CORPORATION

Owner/operator address: Not reported Not reported

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private

Owner/Operator Type: Operator
Owner/Op start date: 10/08/1997
Owner/Op end date: Not reported

Owner/operator name: TARGET CORPORATION

Owner/operator address: P.O. BOX 111

MINNEAPOLIS, MN

Owner/operator country: US

Owner/operator telephone: (612) 304-4417

Legal status: Private
Owner/Operator Type: Owner

Owner/Operator Type: Owner
Owner/Op start date: 10/08/1997
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: Yes

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: Yes

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

Direction Distance

Elevation Site Database(s) EPA ID Number

TARGET STORE #1076 (Continued)

1009312504

EDR ID Number

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Violation Status: No violations found

G25 WAGON WORK CORP EDR Historical Auto Stations 1009090276

N/A

VA UST

West 3406 JEFFERSON DAVIS HWY
1/8-1/4 ALEXANDRIA, VA

0.170 mi.

899 ft. Site 2 of 3 in cluster G

Relative: EDR Historical Auto Stations:

Lower Name: WAGON WORK CORP

Year: 1979

Actual: Type: AUTOMOBILE REPAIRING

30 ft.

 G26
 WAGONWORK CORP
 RCRA-SQG
 1000582363

 West
 3406 JEFFERSON DAVIS HWY
 FINDS
 VAD988212015

1/8-1/4 0.170 mi.

899 ft. Site 3 of 3 in cluster G

Relative: RCRA-SQG:

Lower Date form received by agency: 02/05/1992

ALEXANDRIA, VA 22305

Facility name: WAGONWORK CORP

Actual: Facility address: 3406 JEFFERSON DAVIS HWY
30 ft.

Oft. ALEXANDRIA, VA 22305

EPA ID: VAD988212015
Contact: MICHAEL ANDERSON
Contact address: 3406 JEFFERSON DAVIS HWY

ALEXANDRIA, VA 22305

Contact country: US

Contact telephone: (703) 684-2985 Contact email: Not reported

EPA Region: 03

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WAGONWORK CORP

Direction Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

WAGONWORK CORP (Continued)

1000582363

Owner/operator address: 3406 JEFFERSON DAVIS HWY

ALEXANDRIA, VA 22305

Not reported Owner/operator country: Owner/operator telephone: (703) 684-2985 Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): Nο Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: Nο Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF Waste name:

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F001

THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: Waste name:

TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED

FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

WAGONWORK CORP (Continued)

1000582363

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110005250361

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

UST:

Facility:

 Facility Id:
 3021365

 Facility Type:
 COMMERCIAL

 CEDS Facility ID:
 200000080229

Owner:

Facility Id: 3021365 Owner Id: 32370

Owner Name: WAGONWORK CORP
Owner Address: 3406 JEFF. DAVIS HWY.

Owner Address2: Not reported

Owner City, State, Zip: ALEXANDRIA, VA 22305

UST Status: Not reported AST Status: Not reported

Federally Regulated: Yes

Tank Number: 1

MAP FINDINGS Map ID

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

WAGONWORK CORP (Continued)

1000582363

Tank Capacity: 10000 GASOLINE Tank Contents: Tank Status: **REM FROM GRD** Tank Type: UST Tank Material:

UST Tank Type: 3021365 Fac Id: 32370 Own Id: Tank Number: 1

22-MAY-1976 Install Date: Tank Status: **REM FROM GRD**

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν

Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

UST Tank Type: Fac Id: 3021365 Own Id: 32370 Tank Number:

Install Date: 22-MAY-1976 Tank Status: **REM FROM GRD**

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Ν Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

WAGONWORK CORP (Continued)

1000582363

EDR ID Number

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3021365

 Own Id:
 32370

 Tank Number:
 1

Install Date: 22-MAY-1976
Tank Status: REM FROM GRD
Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Ν Pipe Materials: Fiberglass Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Υ Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

 Tank Number:
 2

 Tank Capacity:
 1000

 Tank Contents:
 USED OIL

 Tank Status:
 REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3021365

 Own Id:
 32370

 Tank Number:
 2

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Ν Tank Materials: Composite Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Υ Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3021365

 Own Id:
 32370

 Tank Number:
 2

Install Date: Not reported Tank Status: REM FROM GRD

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WAGONWORK CORP (Continued)

1000582363

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Ν Pipe Release Det: Int Secondary Containment Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST Fac Id: 3021365 Own Id: 32370 Tank Number: 2

Not reported Install Date: **REM FROM GRD** Tank Status: Pipe Type: **UNKNOWN**

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Ν Pipe Materials: Secondary Containment Pipe Materials: Repaired Ν Pipe Materials: Unknown Υ Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

F27 **EXXON CO USA 20388** RCRA-CESQG 1004791437 West 2320 FANNON ST FINDS VAR000011981

1/8-1/4 **ALEXANDRIA, VA 22305**

0.171 mi.

Relative:

903 ft. Site 3 of 9 in cluster F RCRA-CESQG:

Date form received by agency: 09/22/1998 Higher

EXXON CO USA 20388 Facility name: Actual: Facility address: 2320 FANNON ST 37 ft. ALEXANDRIA, VA 22305

> EPA ID: VAR000011981

Direction Distance Elevation

Site **EPA ID Number** Database(s)

EXXON CO USA 20388 (Continued)

1004791437

EDR ID Number

Mailing address: 1200 TIMBERLOCH PL

THE WOODLANDS, TX 773804999

ALDA POOL Contact:

1200 TIMBERLOCH PL Contact address:

THE WOODLANDS, TX 773804999

Contact country: US

Contact telephone: (281) 293-3579 Contact email: Not reported

EPA Region: 03

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

> month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

EXXON CO USA Owner/operator name: Owner/operator address: 3225 GALLOW RD

FAIRFAX, VA 22037

Owner/operator country: Not reported Owner/operator telephone: (281) 293-3579

Legal status: Private Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: Nο Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code:

IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF Waste name:

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

EXXON CO USA 20388 (Continued)

1004791437

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET. WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018 BENZENE Waste name:

Violation Status: No violations found

FINDS:

Registry ID: 110008201677

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

F28 POTOMAC OXYGEN CO West 2200 JEFFERSON DAVIS HWY ALEXANDRIA, VA 22301 1/8-1/4

VA UST U003681077 N/A

0.172 mi.

909 ft. Site 4 of 9 in cluster F

Relative: Higher

UST: Facility:

Actual: 39 ft.

3018196 Facility Id: Facility Type: COMMERCIAL 200000075551 CEDS Facility ID:

Owner:

Facility Id: 3018196 Owner Id: 36850

Owner Name: POTOMAC OXYGEN CO Owner Address: 2200 JEFFERSON DAVIS HWY.

Owner Address2: Not reported

ALEXANDRIA, VA 22301 Owner City, State, Zip:

UST Status: Not reported **AST Status:** Not reported

Federally Regulated: Yes

Tank Number: 1 Tank Capacity: 500 Tank Contents: **GASOLINE** Tank Status: **CLS IN GRD**

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3018196 Own Id: 36850

Direction Distance Elevation

Site Database(s) EPA ID Number

Ν

Ν

POTOMAC OXYGEN CO (Continued)

Tank Materials: Repaired

Tank Materials: Unknown

U003681077

EDR ID Number

Tank Number: 07-MAY-1976 Install Date: Tank Status: CLS IN GRD Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Υ Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3018196

 Own Id:
 36850

 Tank Number:
 1

Install Date: 07-MAY-1976
Tank Status: CLS IN GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Ν Tank Release Detection: Vapor Monitor Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3018196

 Own Id:
 36850

 Tank Number:
 1

Install Date: 07-MAY-1976
Tank Status: CLS IN GRD

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

POTOMAC OXYGEN CO (Continued) U003681077

Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

F29 FRANK S ESSO SERVICENTER EDR Historical Auto Stations 1009092591

West 2300 JEFFERSON DAVIS HWY

1/8-1/4 ALEXANDRIA, VA

0.173 mi.

912 ft. Site 5 of 9 in cluster F

Relative: EDR Historical Auto Stations:

Higher Name: TEMPLE Year: 1958

Actual: Type: GASOLINE STATIONS

38 ft.

Name: FRANK S ESSO SERVICENTER
Year: 1962

Type: GASOLINE STATIONS

F30 JONES GARAGE INC EDR Historical Auto Stations 1009089793

West 2102 JEFFERSON DAVIS HWY

1/8-1/4 ALEXANDRIA, VA

0.173 mi.

913 ft. Site 6 of 9 in cluster F

Relative: EDR Historical Auto Stations:

Higher Name: JONES GARAGE INC

Year: 1974

Actual: Type: AUTOMOBILE GARAGES 39 ft.

 I31
 MOBIL S/S 16HQL
 VA UST
 U003679456

 West
 JEFFERSON DAVIS HWY
 N/A

West JEFFERSON DAVIS HWY 1/8-1/4 ALEXANDRIA, VA 22301

0.173 mi.

914 ft. Site 1 of 6 in cluster I

Relative: UST: Higher Facility:

 Actual:
 Facility Id:
 3007668

 36 ft.
 Facility Type:
 GAS STATION

 CEDS Facility ID:
 200000076341

Owner:

Facility Id: 3007668 Owner Id: 28304 N/A

N/A

Direction Distance Elevation

ce EDR ID Number on Site Database(s) EPA ID Number

MOBIL S/S 16HQL (Continued)

U003679456

Owner Name: Mobil Oil Corporation
Owner Address: 3225 Gallows Rd
Owner Address2: Not reported
Owner City, State, Zip: Fairfax, VA 22037
UST Status: Not reported
AST Status: Not reported

Federally Regulated: No

Tank Number: 1
Tank Capacity: NULL
Tank Contents: UNKNOWN

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3007668

 Own Id:
 28304

 Tank Number:
 1

Install Date: 24-APR-1969
Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Υ Tank Materials: Unknown Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3007668

 Own Id:
 28304

 Tank Number:
 1

Install Date: 24-APR-1969
Tank Status: PERM OUT OF USE

Ν

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν

Tank Release Detection: Other Method

Direction Distance Elevation

tion Site Database(s) EPA ID Number

MOBIL S/S 16HQL (Continued)

U003679456

EDR ID Number

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3007668

 Own Id:
 28304

 Tank Number:
 1

Install Date: 24-APR-1969
Tank Status: PERM OUT OF USE
Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Ν Pipe Materials: Copper Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν

Pipe Materials: Unknown Y
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

Tank Number: 2
Tank Capacity: NULL
Tank Contents: UNKNOWN

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3007668

 Own Id:
 28304

 Tank Number:
 2

Install Date: 24-APR-1969
Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Ν Tank Materials: Concrete Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν

Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number**

MOBIL S/S 16HQL (Continued)

U003679456

EDR ID Number

Tank Materials: Unknown Υ Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

UST Tank Type: 3007668 Fac Id: 28304 Own Id:

Tank Number:

Install Date: 24-APR-1969 PERM OUT OF USE Tank Status:

Tank Release Detection: Leak Deferred Ν Ν Tank Release Detection: Manual Gauge Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Ν Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Ν Pipe Release Detection: Groundwater Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST 3007668 Fac Id: Own Id: 28304 Tank Number: 2

Install Date: 24-APR-1969 Tank Status: PERM OUT OF USE

UNKNOWN Pipe Type:

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Υ Pipe Materials: Unknown Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Direction Distance

Distance EDR ID Number

Elevation Site EDA ID Number

F32 EXXON #20388 VA UST U004149615 West 2320 JEFFERSON DAVIS HWY N/A

West 2320 JEFFERSON DAVIS HWY 1/8-1/4 ALEXANDRIA, VA 22301

0.173 mi.

915 ft. Site 7 of 9 in cluster F

Relative: UST: Higher Facility:

 Actual:
 Facility Id:
 3026056

 38 ft.
 Facility Type:
 GAS STATION

 CEDS Facility ID:
 200000193471

Owner:

Facility Id: 3026056 Owner Id: 45880

Owner Name: Mount Vernon Petroleum Realty LLC

Owner Address: 6820 B Commercial Dr

Owner Address2: Not reported
Owner City, State, Zip: Springfield, VA 22151

UST Status: Reg AST Status: N/A

Facility Id: 3026056
Owner Id: 33970
Owner Name: Frank Fannon
Owner Address: 7120 Park Terrace Dr
Owner Address2: Not reported
Owner City, State, Zip: Alexandria, VA 22307

UST Status: Reg

AST Status: Not reported

Facility Id: 3026056 Owner Id: 40064

Owner Name: ExxonMobil Corporation c/o Gilbarco Veeder Root

Owner Address: 7300 W Friendly Ave MS F76

Owner Address2: PO Box 22087
Owner City, State, Zip: Greensboro, NC 27420

UST Status: Reg
AST Status: Not reported

Federally Regulated: Yes

 Tank Number:
 1

 Tank Capacity:
 15000

 Tank Contents:
 GASOLINE

 Tank Status:
 CURR IN USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3026056

 Own Id:
 45880

 Tank Number:
 1

Install Date: 30-OCT-1998
Tank Status: CURR IN USE

Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass Y
Tank Materials: Concrete N

Direction
Distance
Elevation

ance EDR ID Number ration Site Database(s) EPA ID Number

EXXON #20388 (Continued)

U004149615

Tank Materials: Composite Ν Υ Tank Materials: Double Walled Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3026056

 Own Id:
 45880

 Tank Number:
 1

Install Date: 30-OCT-1998
Tank Status: CURR IN USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Υ Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak

Pipe Release Detection: Line Tightness

Pipe Release Detection: Stat Invent Recon

Pipe Release Detection: Groundwater

N

Pipe Release Det: Int Secondary Containment

Pipe Release Det: Interior Double Walled

N

Pipe Release Detection: Other Method

N

Pipe Release Detection: Other Note

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3026056

 Own Id:
 45880

Tank Number: 1

Install Date: 30-OCT-1998
Tank Status: CURR IN USE
Pipe Type: PRESSURE

Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled Y
Pipe Materials: Secondary Containment N

Direction Distance Elevation

tion Site Database(s) EPA ID Number

EXXON #20388 (Continued)

U004149615

EDR ID Number

Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other Y

Pipe Materials: Other Note Polyflexible

 Tank Number:
 2

 Tank Capacity:
 15000

 Tank Contents:
 GASOLINE

 Tank Status:
 CURR IN USE

 Tank Type:
 UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3026056

 Own Id:
 45880

 Tank Number:
 2

Install Date: 30-OCT-1998
Tank Status: CURR IN USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3026056

 Own Id:
 45880

 Tank Number:
 2

Install Date: 30-OCT-1998
Tank Status: CURR IN USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Υ Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

EXXON #20388 (Continued)

U004149615

Pipe Release Detection: Autoleak Υ Pipe Release Detection: Line Tightness Υ Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν Pipe Release Detection: Other Note **PLLD**

Pipe Material:

UST Tank Type: Fac Id: 3026056 Own Id: 45880 Tank Number:

Install Date: 30-OCT-1998 Tank Status: **CURR IN USE PRESSURE** Pipe Type:

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Ν Pipe Materials: Secondary Containment Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other

Pipe Materials: Other Note Polyflexible

Tank Number: 3 10000 Tank Capacity: Tank Contents: DIESEL Tank Status: **CURR IN USE** Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3026056 Own Id: 45880 Tank Number: 3

Install Date: 30-OCT-1998 **CURR IN USE** Tank Status:

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Υ Tank Materials: Double Walled Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Map ID Direction Distance Elevation

Site Database(s) EPA ID Number

EXXON #20388 (Continued) U004149615

Tank Materials: Other Note	Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3026056

 Own Id:
 45880

Tank Number: 3

Install Date: 30-OCT-1998
Tank Status: CURR IN USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Ν Tank Release Detection: Autogauge Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Υ Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
Pipe Release Detection: Line Tightness
Y
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N
Pipe Release Detection: Other Note

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3026056

 Own Id:
 45880

 Tank Number:
 3

Install Date:30-OCT-1998Tank Status:CURR IN USEPipe Type:PRESSURE

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other

Pipe Materials: Other Note Polyflexible

Tank Number: R1

EDR ID Number

Direction Distance Elevation

Site Database(s) **EPA ID Number**

EXXON #20388 (Continued)

U004149615

EDR ID Number

Tank Capacity: 8000 **GASOLINE** Tank Contents: Tank Status: **REM FROM GRD** UST

Tank Type:

Tank Material:

UST Tank Type: 3026056 Fac Id: 33970 Own Id: Tank Number: R1

Install Date: Not reported REM FROM GRD Tank Status:

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

UST Tank Type: Fac Id: 3026056 Own Id: 33970 Tank Number: R1

Install Date: Not reported Tank Status: **REM FROM GRD**

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Ν Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

EXXON #20388 (Continued) U004149615

Pipe Material:

Tank Type: UST Fac Id: 3026056 Own Id: 33970 Tank Number: R1

Not reported Install Date: **REM FROM GRD** Tank Status: UNKNOWN Pipe Type:

Pipe Materials: Bare Steel Υ Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Ν Pipe Materials: Fiberglass Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν

Pipe Materials: Other Ν Pipe Materials: Other Note Not reported

F33 MOUNT VERNON PETROLEUM REALTY LLC **VA LTANKS** S110145378 **VA FINANCIAL ASSURANCE** N/A

West 2320 JEFFERSON DAVIS HWY ALEXANDRIA, VA 22301 1/8-1/4

0.173 mi.

915 ft. Site 8 of 9 in cluster F

LTANKS: Relative:

NVRO Region: Higher CEDS Facility Id: 200000193471

Actual: Case Status: Closed 38 ft. Pollution Complaint #: 20093137 20-JAN-2009 Reported:

VA FINANCIAL ASSURANCE:

Facility ID: 3026056 FRP Financial Assurance: Full

Owner Name: Exxon #20388 ROF Own Id: 45880 Tank Type: UST Mechanism: Insurance Gallonage: Not reported Per Occurence: \$1,000,000 Third Party: \$1,000,000 Annual Aggregate: \$2,000,000 In Compliance: Not reported

Total Capacity: 0

CEDS Facility Name: Exxon 20388 CEDS Facility Id: 200000193471

Tank Type Count:

2320 Jefferson Davis Hwy Location:

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

F34 CARSONS AUTO WORKS RCRA-CESQG 1004789957
West 2340 JEFFERSON DAVIS HIGHWAY FINDS VAD988193348

1/8-1/4 ALEXANDRIA, VA 22301

0.173 mi.

916 ft. Site 9 of 9 in cluster F

Relative: RCRA-CESQG:

Higher Date form received by agency: 02/22/1991

Facility name: CARSONS AUTO WORKS

Actual: Facility address: 38 ft.

2340 JEFFERSON DAVIS HIGHWAY ALEXANDRIA, VA 22301

EPA ID: VAD988193348

Contact: CARSON WARREN

Contact address: 2340 JEFFERSON DAVIS HIGHWAY

ALEXANDRIA, VA 22301

Contact country: US

Contact telephone: (703) 836-6164 Contact email: Not reported

EPA Region: 03

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

NY MANIFEST

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: WARREN CARSON

Owner/operator address: 2340 JEFFERSON DAVIS HIGHWAY

ALEXANDRIA, VA 22301

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

Owner

Owner

Not reported

Not reported

Not reported

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET

OPERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID MAP FINDINGS
Direction

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

CARSONS AUTO WORKS (Continued)

1004789957

Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: Nο Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: Nο Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: Nο

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110005241746

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport.

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

Direction Distance

Elevation Site Database(s) EPA ID Number

CARSONS AUTO WORKS (Continued)

1004789957

EDR ID Number

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: VAD988193348

Country: USA

Mailing Name: CARSONS AUTO WORKS
Mailing Contact: CARSON S. WARREN

Mailing Address: 2340 JEFFERSON DAVIS HIGHWAY

Mailing Address 2: Not reported Mailing City: ALEXANDRIA

Mailing State: VA
Mailing Zip: 22301
Mailing Zip4: Not reported
Mailing Country: USA

Mailing Phone: 703-836-6164

Document ID: NYC0736345 Manifest Status: Completed copy 42791A101 Trans1 State ID: Trans2 State ID: NJ564TUH Generator Ship Date: 910725 Trans1 Recv Date: 910725 Trans2 Recv Date: 910801 TSD Site Recy Date: 910808 Part A Recv Date: 910805 Part B Recv Date: 910819

 Generator EPA ID:
 VAD988193348

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 ILD051060408

 TSDF ID:
 NYD980753784

 Waste Code:
 F005 - UNKNOWN

Quantity: 00027 Units: P - Pounds

Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 91

OAKVILLE INDUSTRIAL PARK VA VCP S106610667

West 2500 TO 2600 JEFFERSON DAVIS HIGHWAY (SEE OTHER INFORMATION

1/8-1/4 ALEXANDRIA, VA 22301

0.175 mi.

J35

40 ft.

925 ft. Site 1 of 3 in cluster J

Relative: VRP:

Higher Facility ID: VRP00356

Site Status: Enrolled in Program

Actual: Site Status 2: DEQ Review Necessary

DEQ Region: Northern
Sizs in Acres: 12
Site Type: Industry
Corrective Action Desc: Not reported

Owner Name: Cabot Industrial Properties Holding, Inc

N/A

Map ID MAP FINDINGS Direction

Distance

EDR ID Number Elevation Site **EPA ID Number** Database(s)

OAKVILLE INDUSTRIAL PARK (Continued)

S106610667

Owner Contact: Curt Lebak

C/O RREEF Real Estate Managers, 150 S. Wacker Drive, Chicago, IL 60606 Owner Address:

Owner Phone: Not reported Operator Name: Not reported Operator Owner: Not reported Operator Phone: Not reported

Participant Name: **RREEF Management Company**

Relationship to Site: Not reported Participant Contact: Curt Lebak, RPA Participant Phone: Not reported Participant Title: Not reported

RREEF Real Estate Managers Participant Affiliation:

Participant Address: 150 S. Wacker Drive Participant City, St, Zip: Chicago, IL 60606 Additional Parts: Not reported

Participation Notes: applications sent the region and OWP on May 30, 2003

Eric Shertzer Participant Rep/Contractor: Participant Rep/Contractor Phone: 757-467-2100

Participant Rep/Contractor Title: **Branch Operations Manager** Participant Rep/Contractor Affiliation: ATC Associates, Inc. Participant Rep/Contractor Address: 211 Expressway Court Participant Rep/Contractor City,St,Zip: Virginia Beach, VA 23462

Metal Contaminants Present in Soil: Not reported Organic Contaminants Present in Soil: Not reported Metal Contaminants Present in GW: Not reported Organic Contaminants Present GW: Not reported

DEQ Staff Case Manager's Initials: RHT

Cleanup Standards: Not reported No Further VRP Action Date: Not reported Not reported Date Participant Notified of NFA: Certification Date: Not reported Deed Received Date: Not reported Terms of NFA Determination: Not reported Date VRP Eligibility Declared by Participant:

2003-05-21 Date VRP Eligibility Determined by DEQ Region: 2003-07-11 Dt Office Of Waste Permitting Verified Site Eligblty: 2003-08-25 Date VRP Eligibility Determined by VRP: 2003-08-26 Date Signed Agreement Submitted By Participant: Not reported Date Agreement Executed by DEQ: Not reported

Registration Fee Amount Submitted by Participant: 2222 Date Registration Fee Submitted by Participant: 2003-11-05 Site Characterization Document Number: Not reported DEQ Concurrence with Site Characterization Date: Not reported Remedial Action Work Plan Document Number: Not reported

DEQ Concurs with Remedial Action Work Plan Date: Not reported Completion Report Document Number: Not reported **DEQ Concurrs with Completion Report Date:** Not reported

Submittal Date for Document Number 1: Not reported Title of Submitted Document Number 1: Not reported Not reported Submittal Date for Document Number 2: Title of Submitted Document Number 2: Not reported Submittal Date for Document Number 3: Not reported Title of Submitted Document Number 3: Not reported Submittal Date for Document Number 4: Not reported Title of Submitted Document Number 4: Not reported Submittal Date for Document Number 5: Not reported Title of Submitted Document Number 5: Not reported Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

OAKVILLE INDUSTRIAL PARK (Continued)

S106610667

EDR ID Number

Submittal Date for Document Number 6: Not reported Title of Submitted Document Number 6: Not reported Submittal Date for Document Number 7: Not reported Title of Submitted Document Number 7: Not reported Submittal Date for Document Number 8: Not reported Title of Submitted Document Number 8: Not reported DEQ Response Incident ID Number: Not reported **EPA CERCLIS ID:** Not reported EPA RCRA ID NUMBER: Not reported **DEQ Pollution Complaint Number:** 1993-2151

Latest Action Relative To Site: System Operation and Groundwater Monitoring Report submitted

Latest Action Relative To Site Date: 2011-12-19

Next VRP Step Needed Relating To Site: Review monitoring report

Pending Since:

Date Next Step Should Be Completed:

Lat/Long:

Brownfield Tax Incentive:

Ground Water Use Restriction:

Res. User Restriction:

False

False

Excavattion Restruction: False
Unrestricted: False
Other Condition of Issuance: False

GPS Desc: Not reported

Notes: Additional PC# 1993-2151 for the reporting of solvents. PC# 1992-0640 was assigned for a heating release and was closed on 8/23/94 11/05/03

- \$2222.00 fee received 8/26/03 - Eligiblity letter sent to the region. 05/30/2003 - Application sent the region and OWP 07/11/2003 -

NRO approves eligibility. 08/06/03 - Consultant called regarding status application which DEQ response is over due. E-mail status inquiry sent to OWP. Response is that they are working on it.

11/05/2003 - Check Received 01/14/2004 - Conference call with Eric

Shertzer regarding review of site characterization and site

inspection. Correspondence to be held until site inspection complete. 02/05/2004 - Met Eric Shertzer on-site for a site inspection. July 13, 2004 - Received response to comments on SCR. A Remedial Action

Workplan is under development for cleanup. July 5, 2005 - Conference call with consultant. Remedial Action Work Plan put on hold pending

evaluation of soil gas sampling data collected recently. In

additional geoprobes were completed inside of building adjacent to source area. This data is also being evaluated. 8-20-08 Comment letter sent. Review of Revised Risk Assessment and Remediation Action Work Plan resulted in 11 comments. 7-14-09 GJG assigned as PM taking

over for Meade Anderson Site consists of an industrial park with several different blocks with approximately 28 tenants all with separate individual street addressses. Streets include: Jefferson Davis Highway, Calvert, Swann, Murray, Oakville, & Fannon. 2/11/10 -

Assigned to RHT (from GJG) 4/26/10 - Consultant submits System Operation and Groundwater Monitoring Report. No response to 8/20/08 comment letter from JMRA. 6/18/10 - Consultant submits System Operation and Groundwater Monitoring Report via e-mail. 8/30/10 -

Report review comments sent. 2/16/11 - System Operation and Groundwater Monitoring Report for 5/2010 thru 11/2010 submitted. Response to comments to follow. 5/9/11 - System Operations and Groundwater Monitoring Report for 1/1/2011 thru 3/31/2011 submitted

9/30/11 - System Operation and Groundwater Monitoring Report 4/1/11

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

OAKVILLE INDUSTRIAL PARK (Continued)

S106610667

NY MANIFEST

thru 6/30/11 submitted 12/14/11 - Consultant called to report that free product petroleum had been found in MW-21. 12/19/11 - System Operation and Groundwater Monitoring Report for 7/1/11 thru 9/30/11 submitted.

K36 **CRYSTAL CITY AUTO CENTER INC** RCRA-NonGen 1000387636 West **2604 JEFFERSON DAVIS HIGHWAY FINDS** VAD069284115

1/8-1/4 ALEXANDRIA, VA 22301

0.175 mi.

926 ft. Site 1 of 4 in cluster K

RCRA-NonGen: Relative:

Higher Date form received by agency: 08/04/1988

CRYSTAL CITY AUTO CENTER INC Facility name: Actual: 2604 JEFFERSON DAVIS HIGHWAY Facility address: 40 ft.

ALEXANDRIA, VA 22301

EPA ID: VAD069284115 Contact: MIKE TIKOYAN

Contact address: 2604 JEFFERSON DAVIS HIGHWAY

ALEXANDRIA, VA 22301

Contact country: US

Contact telephone: (703) 549-4242 Contact email: Not reported

EPA Region: 03

Other land type Land type: Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: TIKOYAN, NERSES Owner/operator address: OWNERSTREET

OWNERCITY, AK 99999

Owner/operator country: Not reported (215) 555-1212 Owner/operator telephone:

Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 01/01/0001 Owner/Op end date: Not reported

Owner/operator name: **OPERNAME** Owner/operator address: **OPERSTREET**

OPERCITY, AK 99999

Owner/operator country: Not reported Owner/operator telephone: (215) 555-1212 Legal status: Private

Owner/Operator Type: Operator Owner/Op start date: 01/01/0001 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No

Direction Distance

Elevation Site Database(s) EPA ID Number

CRYSTAL CITY AUTO CENTER INC (Continued)

1000387636

EDR ID Number

Furnace exemption: No Used oil fuel burner: No Used oil processor: Nο User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 12/08/2003

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 07/01/2003

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110005224747

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

Direction Distance Elevation

n Site Database(s) EPA ID Number

CRYSTAL CITY AUTO CENTER INC (Continued)

1000387636

EDR ID Number

NY MANIFEST:

EPA ID: VAD069284115

Country: USA

Mailing Name: CRYSTAL CITY AUTO BODY
Mailing Contact: CRYSTAL CITY AUTO BODY
Mailing Address: 2604 JEFFERSON HIGHWAY

Mailing Address 2: Not reported
Mailing City: ALEXANDRIA
Mailing State: VA
Mailing Zip: 22301
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 703-549-4242

Document ID: NYA9077951 Completed copy Manifest Status: Trans1 State ID: 42788A034 Trans2 State ID: Not reported Generator Ship Date: 881116 Trans1 Recv Date: 881116 Trans2 Recy Date: Not reported TSD Site Recv Date: 881121 Part A Recv Date: 881122 Part B Recv Date: 881129 Generator EPA ID: VAD069284115

 Generator EPA ID:
 VAD009204113

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 Not reported

 TSDF ID:
 NYD980753784

 Waste Code:
 F005 - UNKNOWN

Quantity: 00252 Units: P - Pounds

Number of Containers: 003

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 88

Document ID: NYA9515823 Manifest Status: Completed copy Trans1 State ID: 00000000 Trans2 State ID: 00000000 Generator Ship Date: 890620 Trans1 Recv Date: 890620 Trans2 Recv Date: Not reported TSD Site Recv Date: 890627 890623 Part A Recv Date: Part B Recv Date: 890703 VAD069284115 Generator EPA ID: Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 Waste Code: F003 - UNKNOWN

Quantity: 00315 Units: P - Pounds Number of Containers: 004

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CRYSTAL CITY AUTO CENTER INC (Continued)

1000387636

Container Type: DM - Metal drums, barrels

R Material recovery of more than 75 percent of the total material. Handling Method:

Specific Gravity: 100 Year: 89

Document ID: NYA9333977 Completed copy Manifest Status: Trans1 State ID: 42789A045 Trans2 State ID: Not reported 890302 Generator Ship Date: Trans1 Recv Date: 890302 Trans2 Recv Date: Not reported TSD Site Recv Date: 890307 Part A Recv Date: 890308 Part B Recv Date: 890315 Generator EPA ID: VAD069284115

Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 Waste Code: F003 - UNKNOWN

Quantity: 00324 Units: P - Pounds

Number of Containers: 003

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 89

Document ID: NYA9324202 Completed copy Manifest Status: Trans1 State ID: 42789A034 Trans2 State ID: Not reported 890214 Generator Ship Date: Trans1 Recv Date: 890214 Trans2 Recv Date: Not reported TSD Site Recv Date: 890221 Part A Recv Date: 890217 890227 Part B Recv Date: Generator EPA ID: VAD069284115

Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 F003 - UNKNOWN Waste Code:

00432 Quantity: Units: P - Pounds Number of Containers: 004

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 89

Document ID: NYA9368673 Completed copy Manifest Status: Trans1 State ID: 42889A045

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CRYSTAL CITY AUTO CENTER INC (Continued)

1000387636

Trans2 State ID: Not reported 890316 Generator Ship Date: Trans1 Recv Date: 890316 Trans2 Recv Date: Not reported TSD Site Recv Date: 890321 Part A Recv Date: 890321 Part B Recv Date: 890330

Generator EPA ID: VAD069284115 Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 Waste Code: F003 - UNKNOWN

00432 Quantity: Units: P - Pounds Number of Containers: 004

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 89

Document ID: NYA9425485 Completed copy Manifest Status: Trans1 State ID: 42789A045 Trans2 State ID: Not reported Generator Ship Date: 890424 890424 Trans1 Recv Date: Trans2 Recv Date: Not reported 890502 TSD Site Recv Date: Part A Recv Date: 890427 Part B Recv Date: 890509 Generator EPA ID: VAD069284115 Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported

00384 Quantity: Units: P - Pounds Number of Containers: 004

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

NYD980753784

F003 - UNKNOWN

Specific Gravity: 100 Year: 89

TSDF ID:

Waste Code:

Document ID: NYA9685282 Manifest Status: Completed copy Trans1 State ID: 4289A2977 Trans2 State ID: Not reported Generator Ship Date: 890921 890921 Trans1 Recv Date: Trans2 Recv Date: Not reported TSD Site Recv Date: 890925 Part A Recv Date: 890926 Part B Recv Date: 891010 VAD069284115 Generator EPA ID:

Trans1 EPA ID: ILD051060408

Direction Distance

Elevation Site Database(s) EPA ID Number

CRYSTAL CITY AUTO CENTER INC (Continued)

1000387636

EDR ID Number

Trans2 EPA ID: Not reported
TSDF ID: NYD980753784
Waste Code: F003 - UNKNOWN

Quantity: 00288
Units: P - Pounds
Number of Containers: 003

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 100 Year: 89

Document ID: NYA9510568 Manifest Status: Completed copy Trans1 State ID: 42789A297 Trans2 State ID: Not reported Generator Ship Date: 890608 Trans1 Recv Date: 890608 Trans2 Recv Date: Not reported TSD Site Recv Date: 890613 Part A Recv Date: 890613 Part B Recv Date: 890621

 Generator EPA ID:
 VAD069284115

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 Not reported

 TSDF ID:
 NYD980753784

 Waste Code:
 F003 - UNKNOWN

Quantity: 00288 Units: P - Pounds

Number of Containers: 003

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 100 Year: 89

Document ID: NYA9077679 Manifest Status: Completed copy 42789A045 Trans1 State ID: Trans2 State ID: Not reported Generator Ship Date: 890404 Trans1 Recv Date: 890404 Trans2 Recv Date: Not reported TSD Site Recv Date: 890411 Part A Recv Date: 890407 Part B Recv Date: 890421

 Generator EPA ID:
 VAD069284115

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 Not reported

 TSDF ID:
 NYD980753784

 Waste Code:
 F005 - UNKNOWN

Quantity: 00384
Units: P - Pounds
Number of Containers: 004

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 100

Direction Distance

Elevation Site Database(s) EPA ID Number

CRYSTAL CITY AUTO CENTER INC (Continued)

1000387636

EDR ID Number

Year: 89

Document ID: NYA9471273 Manifest Status: Completed copy Trans1 State ID: 42789A597 Trans2 State ID: Not reported 890510 Generator Ship Date: Trans1 Recv Date: 890510 Trans2 Recv Date: Not reported TSD Site Recv Date: 890516 890516 Part A Recv Date: Part B Recv Date: 890523

 Generator EPA ID:
 VAD069284115

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 Not reported

 TSDF ID:
 NYD980753784

 Waste Code:
 F003 - UNKNOWN

Quantity: 00480 Units: P - Pounds

Number of Containers: 005

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 100 Year: 89

Document ID: NYA9415811 Manifest Status: Completed copy Trans1 State ID: 42789A045 Trans2 State ID: Not reported Generator Ship Date: 890411 Trans1 Recv Date: 890411 Trans2 Recv Date: Not reported TSD Site Recv Date: 890418 Part A Recv Date: 890413 Part B Recv Date: 890426 Generator EPA ID: VAD069284115 Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 Waste Code: F003 - UNKNOWN

Quantity: 00192 Units: P - Pounds

Number of Containers: 002

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 100 Year: 89

Document ID: NYA9619244

Manifest Status: Completed copy
Trans1 State ID: 000000000

Trans2 State ID: 000000000

Generator Ship Date: 890803

Trans1 Recv Date: 890803

Direction Distance

Elevation Site Database(s) EPA ID Number

CRYSTAL CITY AUTO CENTER INC (Continued)

1000387636

EDR ID Number

Trans2 Recv Date: Not reported 890808 TSD Site Recv Date: Part A Recv Date: 890808 Part B Recv Date: 890815 Generator EPA ID: VAD069284115 Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 Waste Code: F003 - UNKNOWN

Quantity: 00576 Units: P - Pounds Number of Containers: 006

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 100 Year: 89

Document ID: NYA9475007 Manifest Status: Completed copy Trans1 State ID: 42789A297 Trans2 State ID: Not reported Generator Ship Date: 890523 Trans1 Recv Date: 890523 Trans2 Recv Date: Not reported TSD Site Recv Date: 890531 Part A Recy Date: 890601 Part B Recv Date: 890607

 Generator EPA ID:
 VAD069284115

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 Not reported

 TSDF ID:
 NYD980753784

 Waste Code:
 F003 - UNKNOWN

Quantity: 00384
Units: P - Pounds
Number of Containers: 004

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

NYD980753784

F003 - UNKNOWN

Specific Gravity: 100 Year: 89

TSDF ID:

Waste Code:

Document ID: NYA9564704 Manifest Status: Completed copy Trans1 State ID: 00000000 00000000 Trans2 State ID: Generator Ship Date: 890629 Trans1 Recv Date: 890629 Trans2 Recv Date: Not reported TSD Site Recy Date: 890705 Part A Recv Date: 890703 Part B Recv Date: 890714 VAD069284115 Generator EPA ID: Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

CRYSTAL CITY AUTO CENTER INC (Continued)

1000387636

EDR ID Number

Quantity: 00288 Units: P - Pounds

Number of Containers: 003

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 100 Year: 89

NYA9760678 Document ID: Manifest Status: Completed copy Trans1 State ID: 428929776 Trans2 State ID: Not reported Generator Ship Date: 891025 Trans1 Recv Date: 891025 Trans2 Recv Date: Not reported TSD Site Recy Date: 891031 Part A Recv Date: 891101 Part B Recv Date: 891110

 Generator EPA ID:
 VAD069284115

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 Not reported

 TSDF ID:
 NYD980753784

 Waste Code:
 F003 - UNKNOWN

Quantity: 00384
Units: P - Pounds
Number of Containers: 004

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 100 Year: 89

Document ID: NYA9849508

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

Trans1 State ID: 00000000 Trans2 State ID: 00000000 Generator Ship Date: 891215 Trans1 Recv Date: 891215 Trans2 Recv Date: Not reported TSD Site Recy Date: 891227 Part A Recv Date: 891226 Part B Recv Date: 900116

 Generator EPA ID:
 VAD069284115

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 Not reported

 TSDF ID:
 NYD980753784

 Waste Code:
 F003 - UNKNOWN

Quantity: 00192 Units: P - Pounds

Number of Containers: 002

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 89

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CRYSTAL CITY AUTO CENTER INC (Continued)

1000387636

NYC0152122 Document ID:

Completed after the designated time period for a TSDF to get a copy to the DEC Manifest Status:

Trans1 State ID: 00000000 Trans2 State ID: 00000000 Generator Ship Date: 900302 Trans1 Recv Date: 900302 Trans2 Recv Date: 900308 TSD Site Recy Date: 900313 Part A Recv Date: 900321 Part B Recv Date: 900328 Generator EPA ID:

VAD069284115 Trans1 EPA ID: ILD051060408 Trans2 EPA ID: ILD051060408 TSDF ID: NYD980753784 Waste Code: F003 - UNKNOWN

Quantity: 00219 Units: P - Pounds 003 Number of Containers:

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 90

Document ID: NYA9626848 Manifest Status: Completed copy Trans1 State ID: 00000000 Trans2 State ID: 00000000 Generator Ship Date: 890817 890817 Trans1 Recv Date: Trans2 Recv Date: Not reported TSD Site Recy Date: 890822 Part A Recv Date: 890822 Part B Recv Date: 890830 VAD069284115 Generator EPA ID:

Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 F003 - UNKNOWN Waste Code:

00384 Quantity: P - Pounds Units:

Number of Containers: 004

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 100 Year: 89

Document ID: NYA9791864 Manifest Status: Completed copy 00000000 Trans1 State ID: Trans2 State ID: 00000000 Generator Ship Date: 891127 Trans1 Recv Date: 891127 Trans2 Recy Date: Not reported TSD Site Recy Date: 891205 Part A Recv Date: 891129

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CRYSTAL CITY AUTO CENTER INC (Continued)

1000387636

EDR ID Number

Part B Recv Date: 891218

Generator EPA ID: VAD069284115 Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 F003 - UNKNOWN Waste Code:

00576 Quantity: P - Pounds Units: Number of Containers: 006

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 89

Document ID: NYC0051917

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

Trans1 State ID: 00000000 Trans2 State ID: 00000000 Generator Ship Date: 900126 Trans1 Recv Date: 900126 Trans2 Recy Date: Not reported TSD Site Recy Date: 900206 Part A Recv Date: 900202 Part B Recv Date: 900227

Generator EPA ID: VAD069284115 Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 Waste Code: F003 - UNKNOWN

Quantity: 00576 Units: P - Pounds Number of Containers: 006

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year:

> Click this hyperlink while viewing on your computer to access 24 additional NY_MANIFEST: record(s) in the EDR Site Report.

K37 **OAKVILLE INDUSTRIAL PARK** VA LTANKS \$102382142 **VA SPILLS** N/A

0.175 mi.

West

1/8-1/4 ALEXANDRIA, VA

926 ft. Site 2 of 4 in cluster K

LTANKS: Relative:

NVRO Region: Higher

CEDS Facility Id: 200000079895 Actual: Case Status: Closed 40 ft. Pollution Complaint #: 19932151

15-APR-1993 Reported:

PC-SPILLS:

Region: Not reported Facility ID: 932151

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

OAKVILLE INDUSTRIAL PARK (Continued)

S102382142

Fiscal Year: 93 PC Number: 2151 Date Reported: 19930429

Incident Region: Northern Regional Office

Water Affected: GW

Chemical/Hazardous Materials Spilled Material:

GW contamination of PCE, TCE, acetone & Chloroform at Oakville Summary:

Industrial Park, Jeff Davis Hwy. & Swann Ave.

Amount Spilled: 0.0000 Amount to Water: 0.0000 Not reported Cleaned By: Not reported Personnel: Project Type: Not reported Release Status: Not reported Tank Type: Not reported Lat/Long: Not reported **Facility Status:** Not reported Date Closed: Not reported Company: Not reported Not reported USGS Quadrangle Map: Date Complaint Received: Not reported

Responsible Party: Oakville Industrial Park

Responsible Person: Not reported Topographic Quadrangle #: Not reported

Complete report filed by VWCB: No, complete report not on file

Recovery letter for investigative cost: Not reported

K38 **OAKVILLE INDUSTRIAL PARK - BLDG 5 TANK 1,2,3**

2604 JEFFERSON DAVIS HWY BLDG 5

ALEXANDRIA, VA 22301

1/8-1/4

West

0.175 mi.

926 ft. Site 3 of 4 in cluster K

UST: Relative: Higher Facility:

Facility Id: 3025652 Actual: Facility Type: **UNKNOWN** 40 ft. 200000079895

CEDS Facility ID:

Owner:

Facility Id: 3025652 Owner Id: 32048

G&E OAKVILLE CORPORATION Owner Name: Owner Address: 1090 VERMONT AVENUE; SUITE 800

Owner Address2: Not reported

WASHINGTON, DC 20005 Owner City, State, Zip:

UST Status: Not reported **AST Status:** Not reported

Federally Regulated: Yes

Tank Number: 1 Tank Capacity: 12000 UNKNOWN Tank Contents: Tank Status: **REM FROM GRD**

Tank Type: UST

Tank Material:

VA UST

U003682326

N/A

Direction Distance Elevation

nce EDR ID Number tition Site Database(s) EPA ID Number

OAKVILLE INDUSTRIAL PARK - BLDG 5 TANK 1,2,3 (Continued)

U003682326

 Tank Type:
 UST

 Fac Id:
 3025652

 Own Id:
 32048

 Tank Number:
 1

Install Date: 01-JAN-1946
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Υ Ν Tank Materials: Composite Ν Tank Materials: Double Walled Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3025652

 Own Id:
 32048

 Tank Number:
 1

Install Date: 01-JAN-1946
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note
Pipe Release Detection: Leak Deferred
Not reported
Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3025652

 Own Id:
 32048

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

OAKVILLE INDUSTRIAL PARK - BLDG 5 TANK 1,2,3 (Continued)

U003682326

Install Date: 01-JAN-1946 **REM FROM GRD** Tank Status: **GRAVITY** Pipe Type: Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν

Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

 Tank Number:
 2

 Tank Capacity:
 12000

 Tank Contents:
 DIESEL

 Tank Status:
 CLS IN GRD

Tank Type: UST

Tank Material:

Tank Number:

 Tank Type:
 UST

 Fac Id:
 3025652

 Own Id:
 32048

 Tank Number:
 2

Install Date: 01-JAN-1946
Tank Status: CLS IN GRD

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Υ Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3025652

 Own Id:
 32048

 Tank Number:
 2

Install Date: 01-JAN-1946
Tank Status: CLS IN GRD

Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N
Tank Release Detection: Autogauge N
Tank Release Detection: Tank Tightness N

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

OAKVILLE INDUSTRIAL PARK - BLDG 5 TANK 1,2,3 (Continued)

U003682326

Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Ν Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

UST Tank Type: Fac Id: 3025652 Own Id: 32048 Tank Number:

Install Date: 01-JAN-1946 **CLS IN GRD** Tank Status: Pipe Type: **GRAVITY**

Pipe Materials: Bare Steel Υ Ν Pipe Materials: Galvanized Steel Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: 3 Tank Capacity: 12000 Tank Contents: **MIXTURE CLS IN GRD** Tank Status:

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3025652 Own Id: 32048 Tank Number:

Install Date: 01-JAN-1946 **CLS IN GRD** Tank Status:

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν

Direction Distance Elevation

nce EDR ID Number tion Site Database(s) EPA ID Number

OAKVILLE INDUSTRIAL PARK - BLDG 5 TANK 1,2,3 (Continued)

U003682326

Tank Materials: Epoxy Steel Tank Materials: Fiberglass Ν Tank Materials: Concrete Υ Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3025652

 Own Id:
 32048

 Tank Number:
 3

Install Date: 01-JAN-1946
Tank Status: CLS IN GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note

Not reported

Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3025652

 Own Id:
 32048

 Tank Number:
 3

 Install Date:
 01-JAN-1946

 Tank Status:
 CLS IN GRD

 Pipe Type:
 GRAVITY

Pipe Materials: Bare Steel Y
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

OAKVILLE INDUSTRIAL PARK - BLDG 5 TANK 1,2,3 (Continued)

U003682326

Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

GOODYEAR AUTO SERVICE CTR - ALEXANDRIA L39 3300 JEFFERSON DAVIS HWY West

RCRA-SQG 1000194134 VAD981743800 **FINDS**

1/8-1/4 0.176 mi.

928 ft. Site 1 of 5 in cluster L

RCRA-SQG: Relative:

Date form received by agency: 11/06/1986 Higher

ALEXANDRIA, VA 22305

Facility name: GOODYEAR AUTO SERVICE CTR - ALEXANDRIA

Actual: Facility address: 3300 JEFFERSON DAVIS HWY 32 ft.

ALEXANDRIA, VA 22305 EPA ID: VAD981743800

Mailing address:

3300 JEFFERSON DAVIS

ALEXANDRIA, VA 22305

DAVID NAHAMIS Contact:

Contact address: 3300 JEFFERSON DAVIS HWY

ALEXANDRIA, VA 22305

Contact country: US

Contact telephone: (301) 247-0900 Not reported Contact email:

EPA Region: 03

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

> waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: **OPERNAME** Owner/operator address: **OPERSTREET**

OPERCITY, AK 99999

Owner/operator country: Not reported Owner/operator telephone: (215) 555-1212 Legal status: Private

Owner/Operator Type: Operator Owner/Op start date: Not reported Owner/Op end date: Not reported

Owner/operator name: GOODYEAR

Owner/operator address: 3300 JEFFERSON DAVIS HWY

ALEXANDRIA, VA 22305

Owner/operator country: Not reported Owner/operator telephone: (703) 836-6807 Private Legal status:

Owner/Operator Type: Owner Owner/Op start date: Not reported Owner/Op end date: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

GOODYEAR AUTO SERVICE CTR - ALEXANDRIA (Continued)

1000194134

EDR ID Number

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: Nο Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No No Used oil transporter:

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D008 Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D019

Waste name: CARBON TETRACHLORIDE

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110005231980

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Direction Distance

Elevation Site Database(s) **EPA ID Number**

L40 **JUST TIRES** 3300 JEFFERSON DAVIS HIGHWAY

1/8-1/4 ALEXANDRIA, VA 22305

0.176 mi.

West

928 ft. Site 2 of 5 in cluster L

Relative:

LUST REG NO:

NO Higher Region: Facility ID: 3900294 Actual: Status: Closed 32 ft. Tank Size: other

> Product: unknown 02/10/1998 Release Date: Closed Date: 3/9/1998 Article 11 Case Type: Case Officer: Ron C. Linton Pollution Complaint #: 98-3689 Permit Number: Not reported Priority: Not reported

LTANKS:

NVRO Region: CEDS Facility Id: 200000185496 Case Status: Closed Pollution Complaint #: 19983689 10-FEB-1998 Reported:

M41 **VDOT - CRYSTAL CITY/FOUR MILE RUN (SLS)** NNW 2910 JEFFERSON DAVIS HIGHWAY

ARLINGTON, VA 0 1/8-1/4

0.176 mi.

931 ft. Site 1 of 5 in cluster M

Relative:

LUST REG NO: Region: Lower

Facility ID: 3011334 Actual: Status: Closed 17 ft. Tank Size:

> Not reported Product: 03/13/1990 Release Date: Closed Date: 1/25/1995 Case Type: Article 9 Case Officer: James D. Green

NO

Pollution Complaint #: 90-1202 Permit Number: 0 Priority: 1

NO Region: Facility ID: 3011334 Status: Closed Tank Size:

Product: Not reported Release Date: 05/14/1992 10/16/1995 Closed Date:

Article 9/File Missing Case Type: Case Officer: Lewis E. Hilder

Pollution Complaint #: 92-2175 Permit Number: 0 Priority:

TC3295254.2s Page 164

EDR ID Number

S104407312

S103457986

N/A

VA LUST

VA SPILLS

N/A

VA LUST

VA LTANKS

Direction
Distance

Elevation Site Database(s) EPA ID Number

VDOT - CRYSTAL CITY/FOUR MILE RUN (SLS) (Continued)

S103457986

EDR ID Number

Region: NO
Facility ID: 3011334
Status: Closed
Tank Size: 0

Product: Not reported
Release Date: 12/01/1992
Closed Date: 10/16/1995
Case Type: Article 9
Case Officer: Lewis E. Hilder
Pollution Complaint #: 93-1087
Permit Number: 0

 Region:
 NO

 Facility ID:
 3011334

 Status:
 Open

 Tank Size:
 0

Priority:

Product: Not reported
Release Date: 07/02/1992
Closed Date: Not reported
Case Type: Article 9/File Missing

Case Officer: Mark L. Miller
Pollution Complaint #: 93-0012
Permit Number: Not reported

Priority:

 Region:
 NO

 Facility ID:
 3011334

 Status:
 Open

 Tank Size:
 0

Product: Not reported
Release Date: 05/27/1993
Closed Date: Not reported
Case Type: Article 11
Case Officer: Mark L. Miller
Pollution Complaint #: 93-2366
Permit Number: 0
Priority: -

NO Region: Facility ID: 3011334 Status: Closed Tank Size: multiple Product: see comments Release Date: 09/27/1994 Closed Date: 4/21/1995 Case Type: Article 9 Case Officer: Lewis E. Hilder Pollution Complaint #: 95-4067

Permit Number: 0
Priority: -

 Region:
 NO

 Facility ID:
 3011334

 Status:
 Closed

 Tank Size:
 0

Product: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

VDOT - CRYSTAL CITY/FOUR MILE RUN (SLS) (Continued)

S103457986

Release Date: 03/10/1995 Closed Date: 10/16/1995 Case Type: Article 9 Case Officer: Lewis E. Hilder Pollution Complaint #: 95-4213

Permit Number: 0 Priority: 3

NO Region: Facility ID: 3011334 Status: Open 2,000 Tank Size:

transmission oi Product: Release Date: 05/01/2000 Closed Date: Not reported Case Type: Article 9 Case Officer: Mark L. Miller 00-3332 Pollution Complaint #: Permit Number: Not reported Priority: Not reported

SPILLS NO:

Region: NO

Not reported ld: Incident Summary: Not reported Date In: 10/29/1999 Date Closed: 11/8/1999 Pollution Type: Not reported Responsible Party: Not reported **Facility Status:** Not reported Owner: Not reported **Facility Contact:** Not reported

Facility Permitted:

Facility Telephone: Not reported 1:20:00 PM Time Ín: Reported By Name: Joan Lelacheur Reported By Telephone: 202-962-5113

Reported By Affiliation/Addr: Wash Metro AreaTransit Auth

Incident Response IR #: 2000-N-0257 Responsible Party Name: Not reported Responsible Party Address: Not reported Responsible Party City: Not reported Responsible Party Zip: Not reported Responsible Party Contact: Not reported Responsible Party Telephone: Not reported Not reported Owner Name: Owner Address: Not reported Not reported Owner City: Not reported Owner State: Owner Zip: Not reported Owner Contact: Not reported Owner Telephone: Not reported Incident Date: 8/28/1999 Incident Time: 5:00:00 PM

Petroleum: -1 Solid Waste: 0 Hazardous Waste: 0

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

VDOT - CRYSTAL CITY/FOUR MILE RUN (SLS) (Continued)

S103457986

 Water:
 0

 Air:
 0

 Sewage:
 0

 Fish Kill:
 0

 Threat Wetlands:
 0

 Wetlands:
 0

Material Released: heating oil
Possible Receptors: land
Quantity Released: 1
Unit Released: gal
Quantity In Water: 0

Receiving Waters: Not reported

River Basin: 1a

Inspection Date:

Call Date:
11/8/1999
Inspector:
pzg

Response Due: Not reported Response Received Date: Not reported

Visit Needed: 0
Open: 0

Air Referral Date: Not reported Air Reg/ Permit Number: Not reported Waste Referral Date: Not reported Epa Id Or Permit Number: Not reported Water Referral Date: Not reported Water Permit Number: Not reported Remediation Referral Date: Not reported Remediation Pc Number: Not reported Not reported **Enforcement Referral Date:** Nov Number: Not reported Not reported Pc Number: Receive By: Not reported Case Officer: Not reported Case Type: Not reported Street Address: Not reported Not reported Polllutant: Not reported Impact: Spill Time: Not reported Spill Date: Not reported Spill Volume: Not reported Measure: Not reported Volume In Water: Not reported Stream Name: Not reported Not reported Investigation Date: Not reported Closure Date: Not reported Lab Results: Target Date: Not reported Prep Number: Not reported Report Date: Not reported Report Time: Not reported Pollutant Scr: Not reported Volume: Not reported Not reported Volume Esc: Not reported Remarks: Future Recommendations: Not reported Stream Code: Not reported

Not reported

Visit Date:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

VDOT - CRYSTAL CITY/FOUR MILE RUN (SLS) (Continued)

S103457986

Lab Date: Not reported File Close Date: Not reported Prep Copy: Not reported Not reported City:

Incident Summary: overfill of heating oil tank AST, cleaned up w/ dry absorbants

Not reported Reported: Not reported Results:

Inspection Comments: Initial 5 gal spill actually <1 gal according to Ms Lelacher, they

are checking the fill port & overfill alarm to prevent any repeats.

M42 **KENNING CAR RENTAL VA UST** U003680298 N/A

NNW 2804 JEFFERSON DAVIS HWY 1/8-1/4 ARLINGTON, VA 22202

0.176 mi.

931 ft. Site 2 of 5 in cluster M

UST: Relative: Lower Facility:

Facility Id: 3012558 Actual: Facility Type: **COMMERCIAL** 17 ft. CEDS Facility ID: 200000077175

Owner:

Facility Id: 3012558 Owner Id: 36852

Owner Name: B.M. Smith & Associates Inc Owner Address: 2300 S Ninth St Suite GR-1

Owner Address2: Not reported Owner City, State, Zip: Arlington, VA 22204 **UST Status:** Not reported **AST Status:** Not reported

Federally Regulated: Yes

Tank Number: 1 Tank Capacity: 5000 Tank Contents: **GASOLINE**

Tank Status: **PERM OUT OF USE**

Tank Type: UST

Tank Material:

Tank Type: UST 3012558 Fac Id: Own Id: 36852 Tank Number:

Install Date: Not reported

PERM OUT OF USE Tank Status:

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν

Direction Distance Elevation

ion Site Database(s) EPA ID Number

KENNING CAR RENTAL (Continued)

U003680298

EDR ID Number

Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3012558

 Own Id:
 36852

Tank Number: 1

Install Date: Not reported

Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Ν Tank Release Detection: Manual Gauge Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3012558

 Own Id:
 36852

 Tank Number:
 1

Install Date: Not reported
Tank Status: PERM OUT OF USE

Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Υ Pipe Materials: Unknown Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Direction Distance Elevation

nce EDR ID Number tition Site Database(s) EPA ID Number

KENNING CAR RENTAL (Continued)

U003680298

Tank Number: 2
Tank Capacity: 5000
Tank Contents: GASOLINE

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3012558

 Own Id:
 36852

Tank Number: 2

Install Date: Not reported
Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3012558

 Own Id:
 36852

 Tank Number:
 2

Install Date: Not reported
Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Ν Tank Release Detection: Vapor Monitor Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Direction Distance

Elevation Site Database(s) EPA ID Number

KENNING CAR RENTAL (Continued) U003680298

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3012558

 Own Id:
 36852

 Tank Number:
 2

Install Date: Not reported

Tank Status: PERM OUT OF USE

Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Ν Pipe Materials: Galvanized Steel Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν

Pipe Materials: Secondary Containment

N
Pipe Materials: Repaired

N
Pipe Materials: Unknown

Y
Pipe Materials: Other

N

Pipe Materials: Other Note Not reported

M43 THRIFTY CAR RENTAL (FORMER) VA UST U003679308
NNW 2900 JEFFERSON DAVIS HWY N/A

Arlington, VA 22201

1/8-1/4 0.176 mi.

931 ft. Site 3 of 5 in cluster M

ARLINGTON, VA 22201

Owner City, State, Zip:

Relative: UST: Lower Facility:

 Actual:
 Facility Id:
 3006554

 17 ft.
 Facility Type:
 COMMERCIAL

 CEDS Facility ID:
 200000193419

Owner:

Facility Id: 3006554 Owner Id: 35192

Owner Name: Arlington County Board
Owner Address: 2100 Clarendon Blvd
Owner Address2: Not reported

UST Status: Reg AST Status: N/A

Facility Id: 3006554 Owner Id: 44842

Owner Name: 2900 Jefferson Davis Association

Owner Address: 1201 Key Dr
Owner Address2: Not reported
Owner City, State, Zip: Alexandria, VA 22302

UST Status: Reg AST Status: N/A

Facility Id: 3006554 Owner Id: 33788

Owner Name: Welcome Corporation

EDR ID Number

Direction Distance Elevation

Site Database(s) EPA ID Number

THRIFTY CAR RENTAL (FORMER) (Continued)

U003679308

EDR ID Number

Owner Address: 85 S Bragg St Suite 400

Owner Address2: Not reported

Owner City, State, Zip: Alexandria, VA 22312

UST Status: Reg

AST Status: Not reported

Facility Id: 3006554 Owner Id: 41621

Owner Name: DTG Operations Incorporated

Owner Address: 5330 E 31st St
Owner Address2: Not reported
Owner City, State, Zip: Tulsa, OK 74153

UST Status: Reg AST Status: N/A

Federally Regulated: Yes

 Tank Number:
 R1

 Tank Capacity:
 10000

 Tank Contents:
 GASOLINE

 Tank Status:
 REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 33788

 Tank Number:
 R1

Install Date: 22-FEB-1981
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket Tank Materials: Repaired Ν Tank Materials: Unknown Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 33788

 Tank Number:
 R1

Install Date: 22-FEB-1981
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred
Tank Release Detection: Manual Gauge
N
Tank Release Detection: Autogauge
N
Tank Release Detection: Tank Tightness
N
Tank Release Detection: Vapor Monitor
N

Direction Distance Elevation

Site Database(s) EPA ID Number

THRIFTY CAR RENTAL (FORMER) (Continued)

U003679308

EDR ID Number

Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 33788

 Tank Number:
 R1

Install Date: 22-FEB-1981
Tank Status: REM FROM GRD
Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Ν Pipe Materials: Copper Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Υ Pipe Materials: Unknown Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number:R2Tank Capacity:500Tank Contents:DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 33788

 Tank Number:
 R2

Install Date: Not reported Tank Status: REM FROM GRD

Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N

Direction
Distance
Elevation

Site EDR ID Number

Database(s) EPA ID Number

THRIFTY CAR RENTAL (FORMER) (Continued)

U003679308

Tank Materials: Fiberglass Ν Ν Tank Materials: Concrete Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Υ Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 33788

 Tank Number:
 R2

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Ν Tank Release Detection: Manual Gauge Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 33788

 Tank Number:
 R2

Install Date: Not reported
Tank Status: REM FROM GRD
Pipe Type: UNKNOWN

Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N

Direction Distance Elevation

Site Database(s) EPA ID Number

THRIFTY CAR RENTAL (FORMER) (Continued)

U003679308

EDR ID Number

Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown Y
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

 Tank Number:
 R3

 Tank Capacity:
 10000

 Tank Contents:
 GASOLINE

 Tank Status:
 REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 33788

 Tank Number:
 R3

Install Date: 22-FEB-1985
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 33788

 Tank Number:
 R3

Install Date: 22-FEB-1985
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

THRIFTY CAR RENTAL (FORMER) (Continued)

U003679308

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 33788

 Tank Number:
 R3

 Install Date:
 22-FEB-1985

 Tank Status:
 REM FROM GRD

 Pipe Type:
 UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Ν Pipe Materials: Copper Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Υ Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

 Tank Number:
 R4

 Tank Capacity:
 10000

 Tank Contents:
 GASOLINE

 Tank Status:
 REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 35192

 Tank Number:
 R4

Install Date: 01-FEB-1987
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Υ Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Ν Tank Materials: Concrete Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν

Direction Distance Elevation

Site Database(s) EPA ID Number

THRIFTY CAR RENTAL (FORMER) (Continued)

U003679308

EDR ID Number

Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 35192

 Tank Number:
 R4

Install Date: 01-FEB-1987
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Υ Tank Release Detection: Overfill Install Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak

Pipe Release Detection: Line Tightness

Pipe Release Detection: Stat Invent Recon

Pipe Release Detection: Groundwater

N

Pipe Release Det: Int Secondary Containment

Pipe Release Det: Interior Double Walled

N

Pipe Release Detection: Other Method

N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3006554

 Own Id:
 35192

 Tank Number:
 R4

Install Date: 01-FEB-1987
Tank Status: REM FROM GRD
Pipe Type: PRESSURE

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Direction Distance

Distance Elevation Site EDR ID Number Database(s) EPA ID Number

M44 VDOT - CRYSTAL CITY FOUR MILE RUN VA LTANKS S105095873
NNW 2910 JEFFERSON DAVIS HWY N/A

2910 JEFFERSON DAVIS HWY CRYSTAL CITY, VA 22202

1/8-1/4 0.176 mi.

931 ft. Site 4 of 5 in cluster M

Relative: LTANKS:

Lower Region: NVRO

CEDS Facility Id: 200000198689
Actual: Case Status: Closed

17 ft. Pollution Complaint #: 19901202
Reported: 13-MAR-1990

M45 THRIFTY CAR RENTAL VA LTANKS \$109941473
NNW 2900 JEFFERSON DAVIS HIGHWAY VA TIER 2 N/A

1/8-1/4 ARLINGTON, VA 22202

0.176 mi.

931 ft. Site 5 of 5 in cluster M

Relative: LTANKS:

Lower Region: NVRO

CEDS Facility ld: 200000193419
Actual: Case Status: Closed

17 ft. Pollution Complaint #: 20083188
Reported: 31-JAN-2008

TIER 2:

CAS Number: 8006-61-9
SIC Code: 7514
NAICS: Not reported
Entered Chemical Name: GASOLINE

Average Amt Code:

Owner Name: JOHN GARRETT
Owner Phone: 918-669-3078
Contact Type: Not reported

NO

H46 EMORY AIR FREIGHT VA LUST S103915644
West 2800 JEFFERSON DAVIS HIGHWAY VA LTANKS N/A

1/8-1/4 ALEXANDRIA, VA 0

0.178 mi.

938 ft. Site 2 of 4 in cluster H

Relative: Higher LUST REG NO: Region:

Facility ID: 3026814

Actual: Status: Closed

40 ft. Tank Size: 0

Not reported Product: 01/04/1991 Release Date: Closed Date: 1/3/1993 Case Type: Article 11 Case Officer: Bill Von Till Pollution Complaint #: 91-0953 Permit Number: 0 Priority: 4

LTANKS:

Direction Distance

Elevation Site **EPA ID Number** Database(s)

EMORY AIR FREIGHT (Continued) S103915644

Region: **NVRO**

200000078708 CEDS Facility Id: **Case Status:** Closed Pollution Complaint #: 19910953 Reported: 04-JAN-1991

H47 NTB # 606 **RCRA-CESQG** 1008405729 VAR000509752

West 2800 JEFFERSON DAVIS HWY 1/8-1/4 **ALEXANDRIA, VA 22301**

0.178 mi.

938 ft. Site 3 of 4 in cluster H

RCRA-CESQG: Relative:

Date form received by agency: 06/28/2005 Higher Facility name: NTB # 606

Actual: Facility address: 2800 JEFFERSON DAVIS HWY 40 ft.

ALEXANDRIA, VA 22301

EPA ID: VAR000509752 Mailing address: DONALD ROSS ROAD

JUNO BEACH, FL 33408

DAVID ZOLNOWSKI Contact:

Contact address: Not reported

Not reported Not reported Contact country: Contact telephone: (561) 383-3000

2424 Telephone ext.: Contact email: Not reported

EPA Region: 03

Conditionally Exempt Small Quantity Generator Classification:

Handler: generates 100 kg or less of hazardous waste per calendar Description:

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: TIRE KINGDOM Owner/operator address: DONALD ROSS ROAD JUNO BEACH, FL 33408

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 11/03/2003 Owner/Op end date: Not reported

Owner/operator name: TIRE KINGDOM Owner/operator address: Not reported

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

NTB # 606 (Continued) 1008405729

Not reported

Owner/operator country: US Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 11/03/2003 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code:

IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF Waste name:

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET. WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D008 Waste name: **LEAD**

Waste code: D039

Waste name: **TETRACHLOROETHYLENE**

Violation Status: No violations found

H48 **CARTER S GARAGE** 1009088289 **EDR Historical Auto Stations** N/A

West 2804 JEFFERSON DAVIS HWY

1/8-1/4 ALEXANDRIA, VA

0.178 mi.

938 ft. Site 4 of 4 in cluster H

EDR Historical Auto Stations: Relative:

Name: CARTER S GARAGE Higher

Year: 1936

Actual: **AUTOMOBILE REPAIRING** Type:

40 ft.

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

149 JIM S GARAGE **EDR Historical Auto Stations** 1009092585

West 3006 JEFFERSON DAVIS HWY N/A

1/8-1/4 ALEXANDRIA, VA

0.178 mi.

941 ft. Site 2 of 6 in cluster I

EDR Historical Auto Stations: Relative:

OLD DOMINION MOBILGAS STATION Higher Name:

Year: 1958

Actual: Type: **GASOLINE STATIONS**

36 ft.

Name: JIM S GARAGE

Year: 1962

AUTOMOBILE REPAIRING Type:

POWELL S GARAGE EDR Historical Auto Stations 1009092681 3008 JEFFERSON DAVIS HWY N/A

150 West

1/8-1/4 ALEXANDRIA, VA

0.178 mi.

Site 3 of 6 in cluster I 942 ft.

EDR Historical Auto Stations: Relative:

Name: **DELLINGER BROS TEXACO STATION** Higher

Year:

Actual: **GASOLINE STATIONS** Type:

36 ft.

Name: **POWELL S GARAGE**

Year:

Type: **AUTOMOBILE REPAIRING**

CONRAD TEXACO SERVICE Name:

Year: 1962

Type: **GASOLINE STATIONS**

I51 POWEL S GARAGE EDR Historical Auto Stations 1009093186

N/A

TC3295254.2s Page 181

West 3012 JEFFERSON DAVIS HWY

1/8-1/4 ALEXANDRIA, VA

0.178 mi.

942 ft. Site 4 of 6 in cluster I

EDR Historical Auto Stations: Relative:

Higher Name: **POWEL S GARAGE**

Year: 1958

Actual: AUTOMOBILE REPAIRING Type: 35 ft.

U003680090 152 MOBIL OIL CORPORATION **VA UST** N/A

West **3014 JEFFERSON DAVIS HWY** 1/8-1/4 **ALEXANDRIA, VA 22305**

0.178 mi.

Site 5 of 6 in cluster I 942 ft.

UST: Relative: Higher Facility:

Facility Id: 3011018 Actual: Facility Type: **GAS STATION** 35 ft. CEDS Facility ID: 200000076286

Direction Distance Elevation

Site Database(s) EPA ID Number

MOBIL OIL CORPORATION (Continued)

U003680090

EDR ID Number

Owner:

Facility Id: 3011018 Owner Id: 28304

Owner Name: Mobil Oil Corporation
Owner Address: 3225 Gallows Rd
Owner Address2: Not reported
Owner City, State, Zip: Fairfax, VA 22037
UST Status: Not reported
AST Status: Not reported

Federally Regulated: Yes

Tank Number: R1
Tank Capacity: NULL
Tank Contents: GASOLINE

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011018

 Own Id:
 28304

 Tank Number:
 R1

Install Date: 26-APR-1976
Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν

Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011018

 Own Id:
 28304

 Tank Number:
 R1

Install Date: 26-APR-1976
Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Ν Tank Release Detection: Autogauge Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν

Direction Distance Elevation

e EDR ID Number on Site Database(s) EPA ID Number

MOBIL OIL CORPORATION (Continued)

U003680090

Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011018

 Own Id:
 28304

 Tank Number:
 R1

Install Date: 26-APR-1976
Tank Status: PERM OUT OF USE

Pipe Type: UNKNOWN

Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N

Pipe Materials: Repaired N
Pipe Materials: Unknown Y
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

Tank Number: R2
Tank Capacity: NULL
Tank Contents: GASOLINE

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011018

 Own Id:
 28304

 Tank Number:
 R2

Install Date: 26-APR-1976
Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν

Direction Distance Elevation

Site Database(s) EPA ID Number

MOBIL OIL CORPORATION (Continued)

U003680090

EDR ID Number

Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011018

 Own Id:
 28304

 Tank Number:
 R2

Install Date: 26-APR-1976
Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011018

 Own Id:
 28304

 Tank Number:
 R2

Install Date: 26-APR-1976
Tank Status: PERM OUT OF USE

Pipe Type: UNKNOWN
Pipe Materials: Bare Steel N

Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Υ Pipe Materials: Other Ν

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MOBIL OIL CORPORATION (Continued)

U003680090

Pipe Materials: Other Note

Not reported

COPE AUTO REPAIR 153 West

EDR Historical Auto Stations 1009089804

VA LUST

VA LTANKS

VA FINANCIAL ASSURANCE

S105502387

N/A

N/A

1/8-1/4

ALEXANDRIA, VA

Name:

0.178 mi.

942 ft. Site 6 of 6 in cluster I

Relative:

EDR Historical Auto Stations:

3014 JEFFERSON DAVIS HWY

Higher

MOBIL GAS STATION

Year: Actual:

1974

35 ft.

Type: **GASOLINE STATIONS**

Name:

COPE AUTO REPAIR 1974

Year:

Type:

AUTOMOBILE REPAIRING

Name:

COPE AUTO REPAIR

Year: 1979

Type:

AUTOMOBILE REPAIRING

1979

Name:

MOBIL GAS STATION

Year:

Type:

GASOLINE STATIONS

L54 CROWN #VA-007

West 1/8-1/4 3216 JEFFERSON DAVIS HIGHWAY

ALEXANDRIA, VA 22305

0.179 mi.

944 ft. Site 3 of 5 in cluster L

Relative:

LUST REG NO:

Higher

Region: NO Facility ID: 3001699

Actual: 33 ft.

Status: Closed Tank Size:

Product: Not reported Release Date: 04/02/1993 Closed Date: 10/5/1994 Case Type: Article 9 Case Officer: James D. Green

Pollution Complaint #: 93-1850 Permit Number: 0 Priority:

NO Region: Facility ID: Status: Open Tank Size: unknown Product: diesel fuel Release Date: 07/28/2000 Closed Date: Not reported Case Type: Article 9 Case Officer: James D. Green Pollution Complaint #: 01-3023

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CROWN #VA-007 (Continued)

S105502387

Permit Number: Not reported Not reported Priority:

LTANKS:

Region: **NVRO** 200000079124 CEDS Facility Id: Case Status: Closed

Pollution Complaint #: 20013023 Reported: 28-JUL-2000

NVRO Region:

200000079124 CEDS Facility Id: Case Status: Closed Pollution Complaint #: 19931850 Reported: 02-APR-1993

VA FINANCIAL ASSURANCE:

Facility ID: 3001699 FRP Financial Assurance: Min

Owner Name: Crown VA 007 ROF Own Id: 29550 Tank Type: UST Mechanism: Insurance Gallonage: Not reported Per Occurence: \$1,000,000 Third Party: \$1,000,000 Annual Aggregate: \$2,000,000 In Compliance: Not reported

Total Capacity:

CEDS Facility Name: Crown VA007 CEDS Facility Id: 200000079124

Tank Type Count:

Location: 3216 Jefferson Davis Hwy

3001699 Facility ID: FRP Financial Assurance: Full

Crown VA 007 Owner Name: 42133 ROF Own Id: Tank Type: UST Mechanism: Insurance Gallonage: Not reported Per Occurence: \$1,000,000 Third Party: \$1,000,000 Annual Aggregate: \$10,000,000 In Compliance: Not reported

Total Capacity:

CEDS Facility Name: Crown VA007 200000079124 CEDS Facility Id:

Tank Type Count:

Location: 3216 Jefferson Davis Hwy

Direction Distance

Elevation Site Database(s) EPA ID Number

L55 CROWN STATION VA-07 RCRA-SQG 1000448193
West 3216 JEFFERSON DAVIS HWY VAD988171724

1/8-1/4 0.179 mi.

Actual:

33 ft.

944 ft. Site 4 of 5 in cluster L

Relative: RCRA-SQG:

Higher Date form received by agency: 07/05/1990

ALEXANDRIA, VA 22305

Facility name: CROWN STATION VA-07
Facility address: 3216 JEFFERSON DAVIS HWY

ALEXANDRIA, VA 22305

EPA ID: VAD988171724
Contact: RICHARD DIXON

Contact address: 3216 JEFFERSON DAVIS HWY

ALEXANDRIA, VA 22305

Contact country: US

Contact telephone: (301) 761-9243 Contact email: Not reported

EPA Region: 03

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET

OPERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CROWN STATIONS INC

Owner/operator address: PO BOX 1168

BALTIMORE, MD 21203

Owner/operator country: Not reported Owner/operator telephone: (301) 539-7400

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No **EDR ID Number**

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CROWN STATION VA-07 (Continued)

1000448193

User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

D000 Waste code: Waste name: Not Defined

Waste code: D018 Waste name: BENZENE

Violation Status: No violations found

L56 **CROWN GAS STATION** 1009089836 **EDR Historical Auto Stations** N/A

West 3216 JEFFERSON DAVIS HWY

1/8-1/4 ALEXANDRIA, VA

0.179 mi.

944 ft. Site 5 of 5 in cluster L

EDR Historical Auto Stations: Relative:

Higher Name: **CROWN GAS STATIONS INC**

Year: 1974

Actual: Type: **GASOLINE STATIONS** 33 ft.

Name: **CROWN GAS STATION**

Year: 1979

GASOLINE STATIONS Type:

FAA - REAGAN NATIONAL AIRPORT OLD TERMINAL **N57 VA LTANKS** S105684243

RONALD REAGAN WASHINGTON NATIONAL AIRPORT ENE

1/8-1/4 ARLINGTON, VA 22202

0.194 mi.

1025 ft. Site 1 of 3 in cluster N

LTANKS: Relative:

NVRO Region: Lower CEDS Facility Id: 200000096559

Actual: Case Status: Closed 9 ft. Pollution Complaint #: 20013253 Reported: 25-JUL-1997

N58 **WASHINGTON DULLES INTRNTNL AIRPORT** VA UST U003678156

RONALD REAGAN WASHINGTON NATIONAL AIRPORT ENE

1/8-1/4 ARLINGTON, VA 22202

0.194 mi.

1025 ft. Site 2 of 3 in cluster N

UST: Relative: Lower Facility:

Facility Id: 3000136 Actual:

Facility Type: FEDERAL: NON-MILITARY 9 ft.

CEDS Facility ID: 200000096559 N/A

N/A

Direction Distance Elevation

ce EDR ID Number on Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

Owner:

 Facility Id:
 3000136

 Owner Id:
 31793

 Owner Name:
 FAA

Owner Address: 5711 Allentown Rd Suite 200

Owner Address2: Not reported
Owner City, State, Zip: Suitland, MD 20746
UST Status: Not reported
AST Status: Not reported

Federally Regulated: Yes

Tank Number: 10
Tank Capacity: 1000
Tank Contents: DIESEL

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 10

Install Date: 01-APR-1991

Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Υ Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket Tank Materials: Repaired Ν

Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 10

Install Date: 01-APR-1991
Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Υ Υ Tank Release Detection: Autogauge Tank Release Detection: Tank Tightness Υ Υ Tank Release Detection: Vapor Monitor Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν

Direction Distance Elevation

tion Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled Y
Tank Release Detection: Other Method N

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
Y Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
Y Pipe Release Det: Int Secondary Containment
Y Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 10

Install Date: 01-APR-1991
Tank Status: PERM OUT OF USE

Pipe Type: GRAVITY

Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment

Pipe Materials: Secondary Containment

Pipe Materials: Repaired

N

Pipe Materials: Unknown

N

Pipe Materials: Other

Y

Pipe Materials: Other Note BLACK IRON

Tank Number:3Tank Capacity:500Tank Contents:GASOLINE

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 3

Install Date: 13-JAN-1973

Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν

Direction Distance Elevation

Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 3

Install Date: 13-JAN-1973
Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν

Tank Release Detection: Groundwater N
Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 3

Install Date: 13-JAN-1973
Tank Status: PERM OUT OF USE

Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

Not reported

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

Tank Number: 4
Tank Capacity: 550
Tank Contents: DIESEL

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 4

Install Date: 14-JAN-1983
Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

Tank Type: UST
Fac Id: 3000136
Own Id: 31793
Tank Number: 4

Install Date: 14-JAN-1983
Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν

Tank Release Detection: Other Method N
Tank Release Detection: Other Note Not reported

Ν

Pipe Release Detection: Leak Deferred
Pipe Release Detection: Autoleak
Pipe Release Detection: Line Tightness
Pipe Release Detection: Stat Invent Recon
Not reported
N

Tank Release Detection: Int Double Walled

Direction Distance Elevation

ce EDR ID Number ion Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 4

Install Date: 14-JAN-1983
Tank Status: PERM OUT OF USE

Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Ν Pipe Materials: Repaired Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: 8
Tank Capacity: 1000
Tank Contents: DIESEL

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 8

Install Date: 14-JAN-1975
Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket

Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number**

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Release:

UST Tank Type: 3000136 Fac Id: Own Id: 31793 Tank Number: 8

14-JAN-1975 Install Date: Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

UST Tank Type: 3000136 Fac Id: Own Id: 31793 Tank Number: 8

Install Date: 14-JAN-1975 PERM OUT OF USE Tank Status:

UNKNOWN Pipe Type:

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: BMF-1 Tank Capacity: 10000 Tank Contents: DIESEL

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number**

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

PERM OUT OF USE Tank Status: Tank Type: UST Tank Material: Tank Type: UST Fac Id: 3000136 Own Id: 31793 BMF-1 Tank Number: 01-JAN-1995 Install Date: Tank Status: PERM OUT OF USE Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν Not reported

Tank Materials: Other Note

Release:

Tank Type: UST Fac Id: 3000136 Own Id: 31793 Tank Number: BMF-1 Install Date: 01-JAN-1995 Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Υ Tank Release Detection: Autogauge Tank Release Detection: Tank Tightness Υ Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Υ Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Υ Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Υ Pipe Release Det: Interior Double Walled Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Direction
Distance
Elevation

ion Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 BMF-1

 Install Date:
 01-JAN-1995

 Tank Status:
 PERM OUT OF USE

 Pipe Type:
 PRESSURE

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Υ Pipe Materials: Fiberglass Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: BMF-2
Tank Capacity: 10000
Tank Contents: DIESEL

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 BMF-2

 Install Date:
 01-JAN-1995

 Tank Status:
 PERM OUT OF USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Ν Tank Materials: Composite Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 BMF-2

 Install Date:
 01-JAN-1995

 Tank Status:
 PERM OUT OF USE

Direction Distance Elevation

nce EDR ID Number tion Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

Tank Release Detection: Leak Deferred Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Υ Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Υ Tank Release Detection: Stat Invent Recon Ν Υ Tank Release Detection: Spill Install Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Υ Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
Y
Pipe Release Detection: Line Tightness
Y
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
Y
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 BMF-2

 Install Date:
 01-JAN-1995

 Tank Status:
 PERM OUT OF USE

 Pipe Type:
 PRESSURE

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Ν Pipe Materials: Secondary Containment Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number:BMF-3Tank Capacity:10000Tank Contents:GASOLINE

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 BMF-3

Direction Distance Elevation

EDR ID Number
on Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

Install Date: 01-JAN-1995 PERM OUT OF USE Tank Status: Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 BMF-3

 Install Date:
 01-JAN-1995

 Tank Status:
 PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Υ Tank Release Detection: Vapor Monitor Ν Υ Tank Release Detection: Inventory Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Y
Pipe Release Detection: Line Tightness Y
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled Y
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 BMF-3

 Install Date:
 01-JAN-1995

 Tank Status:
 PERM OUT OF USE

 Pipe Type:
 PRESSURE

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number**

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

G5 Tank Number: 550 Tank Capacity: Tank Contents: **UNKNOWN CLS IN GRD** Tank Status:

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3000136 Own Id: 31793 Tank Number: G5

13-JAN-1973 Install Date: Tank Status: **CLS IN GRD** Tank Materials: Bare Steel

Υ

Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Ν Tank Materials: Fiberglass Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

UST Tank Type: Fac Id: 3000136 Own Id: 31793 Tank Number: G5

Install Date: 13-JAN-1973 Tank Status: CLS IN GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν

Direction
Distance
Elevation

ation Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Tank Release Detection: Overfill Install N
Tank Release Detection: Groundwater N
Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 G5

Install Date: 13-JAN-1973
Tank Status: CLS IN GRD
Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number:New10/6/94Tank Capacity:600Tank Contents:GASOLINE

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 New10/6/94

 Install Date:
 05-OCT-1994

 Tank Status:
 PERM OUT OF USE

Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass Y
Tank Materials: Concrete N
Tank Materials: Composite N

Direction Distance Elevation

Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Tank Materials: Double Walled Y
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 New10/6/94

 Install Date:
 05-OCT-1994

 Tank Status:
 PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Υ Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Υ Tank Release Detection: Vapor Monitor Υ Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Υ Tank Release Detection: Spill Install Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater N Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Υ Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note
Pipe Release Detection: Leak Deferred
Pipe Release Detection: Autoleak
Not reported
Not reported
Not reported

Pipe Release Detection: Autoreak

Pipe Release Detection: Line Tightness

Y

Pipe Release Detection: Stat Invent Recon

N

Pipe Release Detection: Groundwater

N

Pipe Release Det: Int Secondary Containment

N

Pipe Release Det: Interior Double Walled

N

Pipe Release Detection: Other Method

N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 New10/6/94

 Install Date:
 05-OCT-1994

 Tank Status:
 PERM OUT OF USE

 Pipe Type:
 VALVE: SUCTION

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

R-1/28/98 Tank Number: Tank Capacity: 550 Tank Contents: **GASOLINE** Tank Status: **REM FROM GRD**

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3000136 Own Id: 31793 Tank Number: R-1/28/98 01-OCT-1962 Install Date: Tank Status: **REM FROM GRD**

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Ν Tank Materials: Unknown

Tank Materials: Other Ν

Tank Materials: Other Note Not reported

UST Tank Type: Fac Id: 3000136 Own Id: 31793 Tank Number: R-1/28/98 Install Date: 01-DEC-1962 REM FROM GRD Tank Status:

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Tank Materials: Unknown Ν

Tank Materials: Other

Tank Materials: Other Note Not reported

UST Tank Type: Fac Id: 3000136 Own Id: 31793

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Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

R-1/28/98

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

Install Date: 10-FEB-1994 Tank Status: **REM FROM GRD** Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Ν Tank Materials: Lined Interior Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

Tank Number:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 01-DEC-1962

 Tank Status:
 REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 01-OCT-1962

 Tank Status:
 REM FROM GRD

Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N

Direction
Distance
Elevation

Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Tank Release Detection: Autogauge Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 10-FEB-1994

 Tank Status:
 REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Ν Tank Release Detection: Autogauge Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

Install Date: 10-FEB-1994 REM FROM GRD Tank Status: Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Ν Υ Pipe Materials: Galvanized Steel Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

UST Tank Type: Fac Id: 3000136 Own Id: 31793 Tank Number: R-1/28/98 01-OCT-1962 Install Date: Tank Status: REM FROM GRD Pipe Type: NO VALVE: SUCTION

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

UST Tank Type: Fac Id: 3000136 Own Id: 31793 Tank Number: R-1/28/98 01-DEC-1962 Install Date: **REM FROM GRD** Tank Status: Pipe Type: NO VALVE: SUCTION

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Ν Pipe Materials: Repaired Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R-1/28/98 Tank Capacity: 500

Direction Distance Elevation

n Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Tank Contents: DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 01-OCT-1962

 Tank Status:
 REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other

Tank Materials: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 01-DEC-1962

 Tank Status:
 REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν

Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 10-FEB-1994

 Tank Status:
 REM FROM GRD

Tank Materials: Bare Steel Y
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Tank Materials: Composite N
Tank Materials: Double Walled N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 01-DEC-1962

 Tank Status:
 REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 01-OCT-1962

 Tank Status:
 REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν

Direction Distance Elevation

Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Tank Release Det: Int Secondary Containment N
Tank Release Detection: Int Double Walled N
Tank Release Detection: Other Method N

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 10-FEB-1994

 Tank Status:
 REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 10-FEB-1994

 Tank Status:
 REM FROM GRD

 Pipe Type:
 UNKNOWN

Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel Y
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N

Direction Distance Elevation

on Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 01-OCT-1962

 Tank Status:
 REM FROM GRD

 Pipe Type:
 NO VALVE: SUCTION

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Ν Pipe Materials: Repaired Pipe Materials: Unknown Ν Pipe Materials: Other

Pipe Materials: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 01-DEC-1962

 Tank Status:
 REM FROM GRD

 Pipe Type:
 NO VALVE: SUCTION

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Ν Pipe Materials: Repaired Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R-1/28/98
Tank Capacity: 600
Tank Contents: DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

Install Date:

Direction Distance Elevation

EDR ID Number

n Site Database(s) EPA ID Number

01-OCT-1962

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

Tank Status:	REM FROM GRD
Tank Materials: Bare Steel	Υ
Tank Materials: Cath Protect Steel	N
Tank Materials: Epoxy Steel	N
Tank Materials: Fiberglass	N
Tank Materials: Concrete	N
Tank Materials: Composite	N
Tank Materials: Double Walled	N
Tank Materials: Lined Interior	N
Tank Materials: Excav Liner	N
Tank Materials: Insulated Tank Jacket	N
Tank Materials: Repaired	N
Tank Materials: Unknown	N
Tank Materials: Other	N

Tank Materials: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 01-DEC-1962

 Tank Status:
 REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 10-FEB-1994

 Tank Status:
 REM FROM GRD

Ν

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν

Tank Materials: Other

Direction Distance Elevation

Site Database(s) EPA ID Number

Not reported

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Release:

Tank Materials: Other Note

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 01-DEC-1962

 Tank Status:
 REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled N Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 01-OCT-1962

 Tank Status:
 REM FROM GRD

Tank Release Detection: Leak Deferred Ν Ν Tank Release Detection: Manual Gauge Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater N Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N

Direction Distance Elevation

n Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 10-FEB-1994

 Tank Status:
 REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-1/28/98

 Install Date:
 10-FEB-1994

 Tank Status:
 REM FROM GRD

 Pipe Type:
 UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Type: UST

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

Fac Id: 3000136 Own Id: 31793 Tank Number: R-1/28/98 Install Date: 01-OCT-1962 Tank Status: **REM FROM GRD** Pipe Type: NO VALVE: SUCTION

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

UST Tank Type: Fac Id: 3000136 Own Id: 31793 Tank Number: R-1/28/98 Install Date: 01-DEC-1962 Tank Status: **REM FROM GRD** Pipe Type: NO VALVE: SUCTION

Pipe Materials: Bare Steel ٧ Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

R-10/6/94 Tank Number: Tank Capacity: 400 Tank Contents: **GASOLINE** Tank Status: **REM FROM GRD**

Tank Type: UST

Tank Material:

Tank Type: UST Fac Id: 3000136 31793 Own Id: Tank Number: R-10/6/94 Install Date: Not reported Tank Status: **REM FROM GRD**

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Ν Tank Materials: Composite

Direction Distance Elevation

Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Tank Materials: Double Walled N
Tank Materials: Lined Interior N
Tank Materials: Excav Liner N
Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-10/6/94

 Install Date:
 Not reported

 Tank Status:
 REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R-10/6/94

 Install Date:
 Not reported

 Tank Status:
 REM FROM GRD

 Pipe Type:
 UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν

Pipe Materials: Unknown

Pipe Materials: Other

Direction Distance Elevation

ce EDR ID Number on Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

N

Ν

Pipe Materials: Other Note Not reported

 Tank Number:
 R1

 Tank Capacity:
 275

 Tank Contents:
 USED OIL

 Tank Status:
 REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R1

Install Date: 13-JAN-1978
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν

Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R1

Install Date: 13-JAN-1978
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note

Pipe Release Detection: Leak Deferred

Not reported

Not reported

Pipe Release Detection: Autoleak N

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Distance Elevation Site

Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R1

 Install Date:
 13-JAN-1978

 Tank Status:
 REM FROM GRD

 Pipe Type:
 UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R1-4/30/97
Tank Capacity: 12000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R1-4/30/97

 Install Date:
 Not reported

 Tank Status:
 REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Ν Tank Materials: Lined Interior Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R1-4/30/97

 Install Date:
 Not reported

 Tank Status:
 REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R1-4/30/97

 Install Date:
 Not reported

 Tank Status:
 REM FROM GRD

 Pipe Type:
 UNKNOWN

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R2
Tank Capacity: 1000
Tank Contents: DIESEL

Direction Distance Elevation

Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

REM FROM GRD Tank Status: UST Tank Type: Tank Material: Tank Type: UST Fac Id: 3000136 31793 Own Id: Tank Number: R2 13-JAN-1969 Install Date: Tank Status: **REM FROM GRD** Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R2

Install Date: 13-JAN-1969
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R2

Install Date: 13-JAN-1969
Tank Status: REM FROM GRD
Pipe Type: GRAVITY

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Υ Ν Pipe Materials: Fiberglass Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R6
Tank Capacity: 500

Tank Contents: GASOLINE Tank Status: GASOLINE REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R6

Install Date: 14-JAN-1963
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Ν Tank Materials: Composite Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R6

Install Date: 14-JAN-1963
Tank Status: REM FROM GRD

Direction Distance Elevation

e EDR ID Number on Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

Tank Release Detection: Leak Deferred Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note
Pipe Release Detection: Leak Deferred
Not reported
Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R6

Install Date: 14-JAN-1963
Tank Status: REM FROM GRD
Pipe Type: NO VALVE: SUCTION

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Ν Pipe Materials: Secondary Containment Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other

Pipe Materials: Other Note Not reported

Tank Number: R7
Tank Capacity: 500
Tank Contents: GASOLINE
Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R7

Direction Distance Elevation

on Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Install Date: 14-JAN-1963 REM FROM GRD Tank Status: Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R7

Install Date: 14-JAN-1963
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Ν Tank Release Detection: Inventory Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R7

 Install Date:
 14-JAN-1963

 Tank Status:
 REM FROM GRD

 Pipe Type:
 UNKNOWN

Direction
Distance
Elevation

on Site Database(s) EPA ID Number

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

EDR ID Number

Pipe Materials: Bare Steel Υ Pipe Materials: Galvanized Steel Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R9
Tank Capacity: 2500
Tank Contents: DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R9

Install Date: 01-APR-1990
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Υ Tank Materials: Fiberglass Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Υ Tank Materials: Lined Interior Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000136

 Own Id:
 31793

 Tank Number:
 R9

Install Date: 01-APR-1990
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Υ Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Υ Tank Release Detection: Vapor Monitor Υ Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WASHINGTON DULLES INTRNTNL AIRPORT (Continued)

U003678156

Tank Release Detection: Overfill Install Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Ν Pipe Release Detection: Line Tightness Υ Pipe Release Detection: Stat Invent Recon Ν Υ Pipe Release Detection: Groundwater Pipe Release Det: Int Secondary Containment Υ Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST Fac Id: 3000136 Own Id: 31793 Tank Number: R9

Install Date: 01-APR-1990 Tank Status: **REM FROM GRD** Pipe Type: **GRAVITY**

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Υ Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν

Pipe Materials: Other

Pipe Materials: Other Note **BLACK IRON**

N59 **FAA -REAGAN NATIONAL AIRPORT OLD TERMINA**

> **REAGAN NAITONAL AIRPORT** ARLINGTON, VA 22202

1/8-1/4 0.194 mi.

ENE

1025 ft. Site 3 of 3 in cluster N

LUST REG NO: Relative:

Region: NO Lower Facility ID: Actual: Status: Closed 9 ft. Tank Size: unknown

heating oil Product: Release Date: 07/25/1997 5/1/2001 Closed Date: Case Type: Article 11 Case Officer: James D. Green Pollution Complaint #: 01-3253 Permit Number: Not reported Priority: Not reported

TC3295254.2s Page 223

VA LUST

S104957322

N/A

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

O60 OAKVILLE INDUSTRIAL PARK - BUILDING 2 TANK 8 VA UST U003983208
West 2402 OAKVILLE ST BLDG 2 N/A

West 2402 OAKVILLE ST BLDG 2 1/8-1/4 ALEXANDRIA, VA 22301

0.206 mi.

1090 ft. Site 1 of 6 in cluster O

Relative: UST: Higher Facility:

 Actual:
 Facility Id:
 3012282

 43 ft.
 Facility Type:
 UNKNOWN

 CEDS Facility ID:
 200000075890

Owner:

Facility Id: 3012282 Owner Id: 32048

Owner Name: G&E OAKVILLE CORPORATION
Owner Address: 1090 VERMONT AVENUE; SUITE 800

Owner Address2: Not reported

Owner City, State, Zip: WASHINGTON, DC 20005

UST Status: Not reported AST Status: Not reported

Federally Regulated: Yes

Tank Number: R1
Tank Capacity: 2000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3012282

 Own Id:
 32048

 Tank Number:
 R1

Install Date: Not reported Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν

Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3012282

 Own Id:
 32048

 Tank Number:
 R1

Install Date: Not reported
Tank Status: REM FROM GRD

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

OAKVILLE INDUSTRIAL PARK - BUILDING 2 TANK 8 (Continued)

U003983208

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST Fac Id: 3012282 Own Id: 32048 Tank Number: R1

Not reported Install Date: Tank Status: REM FROM GRD Pipe Type: **PRESSURE**

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Ν Pipe Materials: Secondary Containment Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

O61 OAKVILLE INDUSTRIAL PARK West 2402 OAKVILLE STREET

1/8-1/4 ALEXANDRIA, VA 0

0.206 mi.

1090 ft. Site 2 of 6 in cluster O LUST REG NO: Relative:

Region: NO Higher Facility ID: 3012282 Actual: Status: Closed 43 ft.

Tank Size:

Product: Not reported VA LUST \$103374931 N/A

TC3295254.2s Page 225

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

OAKVILLE INDUSTRIAL PARK (Continued)

S103374931

Release Date: 10/03/1991 Closed Date: 8/23/1994 Case Type: Article 11 Case Officer: Bill Von Till Pollution Complaint #: 92-0640 Permit Number: 0 Priority:

NO Region: Facility ID: 3012282 Status: Open Tank Size:

Product: Not reported Release Date: 04/15/1993 Closed Date: Not reported Case Type: Article 11 Case Officer: James D. Green 93-2151

Pollution Complaint #: Permit Number: Priority:

O62 ACTION AUTO BODY RCRA-SQG 1000259342 West 2402 OAKVILLE ST **FINDS** VAD074825480 1/8-1/4 ALEXANDRIA, VA 22301 **NJ MANIFEST**

0.206 mi.

1090 ft. Site 3 of 6 in cluster O

RCRA-SQG: Relative:

Date form received by agency: 04/22/1986 Higher

Facility name: **ACTION AUTO BODY INC** Actual: Facility address: 2402 OAKVILLE ST 43 ft. ALEXANDRIA, VA 22301

> EPA ID: VAD074825480 JIM KENNEDY Contact: Contact address: 2402 OAKVILLE ST ALEXANDRIA, VA 22301

Contact country: US

Contact telephone: (703) 548-5111 Contact email: Not reported

EPA Region:

Land type: Facility is not located on Indian land. Additional information is not known.

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

> waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: **OPERNAME** Owner/operator address: **OPERSTREET**

OPERCITY, AK 99999

Owner/operator country: Not reported Owner/operator telephone: (215) 555-1212 Legal status: Private Owner/Operator Type: Operator Owner/Op start date: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

ACTION AUTO BODY (Continued)

1000259342

EDR ID Number

Owner/Op end date: Not reported

Owner/operator name: ACTION AUTO BODY INC

Owner/operator address: OWNERSTREET

OWNERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: Nο Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: Nο Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

Distance Elevation Site

Site Database(s) EPA ID Number

ACTION AUTO BODY (Continued)

1000259342

EDR ID Number

ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 07/01/2003

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

FINDS:

Registry ID: 110005225176

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NJ MANIFEST:

Manifest Code: 000174936VES EPA ID: VAD074825480 Date Shipped: 08/31/09 TSDF EPA ID: NJD002454544 Transporter EPA ID: NJD080631369 Transporter 2 EPA ID: NJD071629976 Transporter 3 EPA ID: Not reported Transporter 4 EPA ID: Not reported Transporter 5 EPA ID: Not reported Transporter 6 EPA ID: Not reported Transporter 7 EPA ID: Not reported Transporter 8 EPA ID: Not reported Transporter 10 EPA ID: Not reported 08/31/09 Date Trans1 Transported Waste: 9/1/09 Date Trans2 Transported Waste: Date Trans3 Transported Waste: Not reported Date Trans4 Transported Waste: Not reported Date Trans5 Transported Waste: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ACTION AUTO BODY (Continued)

1000259342

Date Trans6 Transported Waste: Not reported Date Trans7 Transported Waste: Not reported Date Trans8 Transported Waste: Not reported Date Trans9 Transported Waste: Not reported Date Trans10 Transported Waste: Not reported Date TSDF Received Waste: 09/01/09 Tranporter 1 Decal: Not reported Tranporter 2 Decal: Not reported Data Entry Number: Not reported Reference Manifest Number: Not reported

Was Load Rejected (Y/N): No

Reason Load Was Rejected: Not reported

Waste Code: F003

Manifest Year: 2009 New Jersey Manifest Data

Quantity: 800 Unit: Hand Code: H061

J63 **OAKVILLE INDUSTRIAL PARK - BUILDING 2 TANK 9** VA UST U003977393 N/A

West 2500 OAKVILLE ST 1/8-1/4 ALEXANDRIA, VA 22301

0.209 mi.

1101 ft. Site 2 of 3 in cluster J

UST: Relative: Higher Facility:

Facility Id: 3024477 Actual: Facility Type: UNKNOWN 43 ft. CEDS Facility ID: 200000222948

Owner:

Facility Id: 3024477 Owner Id: 32048

Owner Name: **G&E OAKVILLE CORPORATION** Owner Address: 1090 VERMONT AVENUE; SUITE 800

Owner Address2: Not reported

Owner City, State, Zip: WASHINGTON, DC 20005

UST Status: Not reported **AST Status:** Not reported

Federally Regulated: Yes

Tank Number: 1 Tank Capacity: 1000 Tank Contents: **GASOLINE** Tank Status: **REM FROM GRD**

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3024477 Own Id: 32048 Tank Number:

Install Date: Not reported REM FROM GRD Tank Status:

Tank Materials: Bare Steel

Direction Distance Elevation

e EDR ID Number on Site Database(s) EPA ID Number

OAKVILLE INDUSTRIAL PARK - BUILDING 2 TANK 9 (Continued)

U003977393

Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3024477

 Own Id:
 32048

 Tank Number:
 1

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3024477

 Own Id:
 32048

 Tank Number:
 1

Install Date: Not reported
Tank Status: REM FROM GRD
Pipe Type: PRESSURE

Pipe Materials: Bare Steel Y
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

OAKVILLE INDUSTRIAL PARK - BUILDING 2 TANK 9 (Continued)

U003977393

Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

J64 **OAKVILLE INDUSTRIAL PARK - BUILDING 2 TANK 4**

NVRO

VA LTANKS U003977394 **VA UST** N/A

West **2520 OAKVILLE ST** 1/8-1/4 ALEXANDRIA, VA 22301

0.209 mi.

1104 ft. Site 3 of 3 in cluster J

LTANKS: Relative:

Region: Higher

CEDS Facility Id: 200000222949 Actual: Case Status: Closed 42 ft. Pollution Complaint #: 19920640

Reported: 03-OCT-1991

UST:

Facility:

Facility Id: 3025842 UNKNOWN Facility Type: CEDS Facility ID: 200000222949

Owner:

Facility Id: 3025842 Owner Id: 32048

G&E OAKVILLE CORPORATION Owner Name: Owner Address: 1090 VERMONT AVENUE; SUITE 800

Owner Address2: Not reported

Owner City, State, Zip: WASHINGTON, DC 20005

UST Status: Not reported **AST Status:** Not reported

Federally Regulated: Yes

Tank Number: 1 Tank Capacity: 3000 Tank Contents: DIESEL

Tank Status: **PERM OUT OF USE**

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3025842 Own Id: 32048 Tank Number: 1

Install Date: 01-JAN-1959 Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

OAKVILLE INDUSTRIAL PARK - BUILDING 2 TANK 4 (Continued)

U003977394

Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

UST Tank Type: Fac Id: 3025842 Own Id: 32048 Tank Number:

Install Date: 01-JAN-1959 Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install N Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method N

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Ν Pipe Release Det: Interior Double Walled Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST Fac Id: 3025842 Own Id: 32048 Tank Number:

Install Date: 01-JAN-1959 Tank Status: PERM OUT OF USE

Pipe Type: **PRESSURE**

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν

Direction Distance

Elevation Site Database(s) EPA ID Number

OAKVILLE INDUSTRIAL PARK - BUILDING 2 TANK 4 (Continued)

U003977394

EDR ID Number

Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

 K65
 DELANCEY PRINTING & PUB INC
 RCRA-SQG
 1000151555

 West
 444 SWANN AVE
 FINDS
 VAD982694101

West 444 SWANN AVE 1/8-1/4 ALEXANDRIA, VA 22301

0.210 mi.

1111 ft. Site 4 of 4 in cluster K

Relative: RCRA-SQG:

Higher Date form received by agency: 08/21/1989

Facility name: DELANCEY PRINTING & PUB INC

Actual: Facility address: 444 SWANN AVE

42 ft.

ALEXANDRIA, VA 223011047

EPA ID: VAD982694101
Contact: MIKE MARTZ
Contact address: 444 SWANN AVE

ALEXANDRIA, VA 223011047

Contact country: US

Contact telephone: (703) 836-4112 Contact email: Not reported

EPA Region: 03 Land type: Private

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: CP INVESTMENT PROPS XII INC Owner/operator address: 4520 E WEST HWY STE 220

BETHESDA, MD 20814

Owner/operator country: Not reported Owner/operator telephone: (301) 652-4347

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

Owner/operator name: DELANCEY PRINTING INC

Owner/operator address: 444 SWANN AVE

Direction Distance

Elevation Site Database(s) EPA ID Number

DELANCEY PRINTING & PUB INC (Continued)

1000151555

EDR ID Number

ALEXANDRIA, VA 22301

Owner/operator country: Not reported
Owner/operator telephone: (703) 836-4112
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: Nο Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

 ${\tt ACETATE, ETHYL \, BENZENE, ETHYL \, ETHER, \, METHYL \, ISOBUTYL \, KETONE, \, N-BUTYL}$

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Direction Distance Elevation

ation Site Database(s) EPA ID Number

DELANCEY PRINTING & PUB INC (Continued)

1000151555

EDR ID Number

Facility Has Received Notices of Violations:

Regulation violated: SR - VHWMR 6.4.E.3.a.(2)
Area of violation: Generators - Pre-transport

Date violation determined: 05/15/1997
Date achieved compliance: 07/15/1997
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/23/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - VHWMR 6.4.E.4.D. & 9.2.C. Area of violation: Generators - Pre-transport

Date violation determined: 05/15/1997
Date achieved compliance: 07/15/1997
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/23/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - vhwmr 6,4,E.4.e.(2)
Area of violation: Generators - Pre-transport

Date violation determined: 05/15/1997
Date achieved compliance: 07/15/1997
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/23/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - VHWMR 6.4.E.4.d. & 6.4.E.1.c.

Area of violation: Generators - Pre-transport

Date violation determined: 05/15/1997
Date achieved compliance: 07/15/1997
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/23/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

DELANCEY PRINTING & PUB INC (Continued)

1000151555

EDR ID Number

Regulation violated: SR - VHWMR 6.4.E.1.b. &6.4.E.4.d

Area of violation: Generators - Pre-transport

Date violation determined: 05/15/1997
Date achieved compliance: 07/15/1997
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/23/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Paid penalty amount: Not reported
Not reported

Regulation violated: SR - VHWMR 9.8.E.
Area of violation: Generators - Pre-transport

Date violation determined: 05/15/1997
Date achieved compliance: 07/15/1997
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/23/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - VHWMR 9.8.D.1
Area of violation: Generators - Pre-transport

Date violation determined: 05/15/1997
Date achieved compliance: 07/15/1997
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/23/1997
Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State
Proposed penalty amount: Not reported Paid penalty amount: Not reported

Regulation violated: SR - VHWMR 15.1.G.1.g

Area of violation: LDR - General Date violation determined: 05/15/1997 Date achieved compliance: 07/15/1997

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL Enforcement action date: 05/23/1997

Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Not reported Paid penalty amount: Not reported Not reported Not reported Not reported Not reported

Regulation violated: SR - VHWMR 6.4.E.4.e.(3)

Direction Distance

Elevation Site Database(s) EPA ID Number

DELANCEY PRINTING & PUB INC (Continued)

1000151555

EDR ID Number

Area of violation: Generators - Pre-transport

Date violation determined: 05/15/1997
Date achieved compliance: 07/15/1997
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/23/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - VHWMR9.2.F.1.b., 9.2.F.1.d.*

Area of violation: Generators - Pre-transport

Date violation determined: 05/15/1997
Date achieved compliance: 07/15/1997
Violation lead agency: State

/lolation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 05/23/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 07/01/2003

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

State

Evaluation date: 05/15/1997

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 07/15/1997 Evaluation lead agency: State

Evaluation date: 05/15/1997

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: LDR - General Date achieved compliance: 07/15/1997 Evaluation lead agency: State

FINDS:

Registry ID: 110005235334

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Direction Distance

Elevation Site Database(s) EPA ID Number

 P66
 WMATA FOUR MILE RUN
 RCRA-SQG
 1000101235

 West
 3501 SOUTH GLEBE ROAD
 FINDS
 VAD981112022

1/8-1/4 0.216 mi.

1139 ft. Site 1 of 2 in cluster P

Relative: RCRA-SQG:

Lower Date form received by agency: 07/08/2010

ARLINGTON, VA 22202

Facility name: FOUR MILE RUN DIVISION-WMATA

Actual: Facility address: 3501 SOUTH GLEBE ROAD

ARLINGTON, VA 22202 EPA ID: VAD981112022

EPA ID: VAD981112022
Mailing address: PENNSY DRIVE

LANDOVER, MD 20785

Contact: JOAN E LELACHEUR
Contact address: PENNSY DRIVE

LANDOVER, MD 20785

Contact country: US

Contact telephone: (301) 618-7522

Contact email: JLELACHEUR@WMATA.COM

EPA Region: 03

Land type: Municipal

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WASHINGTON METRO AREA TRANSIT AUTHORITY

Owner/operator address: 600 5TH STREET, NW WASHINGTON, DC 20001

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Municipal Owner/Operator Type: Owner Owner/Op start date: 02/04/1973 Owner/Op end date: Not reported

Owner/operator name: WMATA
Owner/operator address: Not reported
Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Municipal Owner/Operator Type: Operator Owner/Op start date: 02/04/1973 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No

EDR ID Number

PA MANIFEST

NY MANIFEST

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WMATA FOUR MILE RUN (Continued)

1000101235

Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Universal Waste Summary:

Waste type: **Batteries** Accumulated waste on-site: Nο

Generated waste on-site: Not reported

Waste type: Lamps Accumulated waste on-site: No

Generated waste on-site: Not reported

Waste type: Pesticides Accumulated waste on-site: No

Generated waste on-site: Not reported

Waste type: Thermostats

Accumulated waste on-site: No

Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 11/10/2009

FOUR MILE RUN DIVISION-WMATA Facility name:

FOUR MILE RUN DIVISION Site name:

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/04/2009

FOUR MILE RUN DIVISION-WMATA Facility name:

FOUR MILE RUN DIVISION Site name: Classification: Large Quantity Generator

Date form received by agency: 02/02/2006

FOUR MILE RUN DIVISION-WMATA Facility name:

Site name: FOUR MILE RUN DIVISION Classification: Large Quantity Generator

Date form received by agency: 03/01/2004

FOUR MILE RUN DIVISION-WMATA Facility name: FOUR MILE RUN BUS DIVISION Site name:

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/11/1999

FOUR MILE RUN DIVISION-WMATA Facility name: WMATA FOUR MILE RUN DIV Site name: Classification: **Small Quantity Generator**

Date form received by agency: 06/13/1986

FOUR MILE RUN DIVISION-WMATA Facility name: WMATA FOUR MILE RUN DIV Site name: Classification: Small Quantity Generator

Distance Elevation

vation Site Database(s) EPA ID Number

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Facility Has Received Notices of Violations: Regulation violated: Not reported

Area of violation: Generators - Pre-transport

Date violation determined: 03/28/2008 Date achieved compliance: 09/05/2008

Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/06/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported Not reported

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 03/28/2008
Date achieved compliance: 09/05/2008
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/06/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

Area of violation: State Statute or Regulation

Date violation determined: 03/28/2008
Date achieved compliance: 08/21/2008
Violation lead agency: State

Enforcement action: VERBAL INFORMAL

Enforcement action date: 03/28/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 11/24/1986
Date achieved compliance: 12/22/1986
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/08/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 11/24/1986
Date achieved compliance: 02/04/1987
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/08/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 03/28/2008

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 09/05/2008 Evaluation lead agency: EPA

Evaluation date: 03/28/2008

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: State Statute or Regulation

Date achieved compliance: 08/21/2008 Evaluation lead agency: State

Evaluation date: 03/28/2008

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 09/05/2008 Evaluation lead agency: EPA

Evaluation date: 02/04/1987

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/24/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 02/04/1987

Map ID MAP FINDINGS
Direction

Distance Elevation Site

Site Database(s) EPA ID Number

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

Evaluation lead agency: State

Evaluation date: 11/24/1986

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 11/24/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 12/22/1986 Evaluation lead agency: State

FINDS:

Registry ID: 110001891533

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

CEDS (Virginia - Comprehensive Environmental Data System) is the Department of Environmental Quality's (DEQ) electronic data system for maintaining databases on sources of pollutants in all media.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Direction Distance Elevation

Site Database(s) EPA ID Number

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

PA MANIFEST:

Manifest Number: 003050150JJK

Manifest Type: T

Generator EPA Id: VAD981112022 Generator Date: 7/14/2009 0:00:00 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD Epa Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1

Container Type: Metal drums, barrels, kegs

Waste Quantity: 400.00
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Manifest Number: 003050150JJK

Manifest Type: T

Generator EPA Id: VAD981112022 Generator Date: 7/14/2009 0:00:00 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD Epa Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE TSD Facility City: **LEWISBERRY**

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D018
Container Number: 1

Container Type: Metal drums, barrels, kegs

Waste Quantity: 400.00
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Manifest Number: 003050204JJK

Manifest Type: T

Generator EPA Id: VAD981112022 Generator Date: VAD981112022

Direction
Distance
Elevation

evation Site Database(s) EPA ID Number

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

Mailing Address: Not reported Not reported Mailing City, St, Zip: Contact Name: Not reported Contact Phone: Not reported PAD067098822 TSD Epa Id: TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC 550 INDUSTRIAL DRIVE TSD Facility Address:

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: NONE
Container Number: 9

Container Type: Metal drums, barrels, kegs

Waste Quantity: 1800.00
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Manifest Number: 003050204JJK

Manifest Type: T
Generator EPA Id: VAD981112022
Generator Date: 10/13/2009 0:00:00
Mailing Address: Not reported

Mailing City, St, Zip:
Contact Name:
Not reported
Contact Phone:
Not reported
Not reported
TSD Epa Id:
PAD067098822
TSD Date:
Not reported
CYCLE CHEM INC
TSD Facility Address:
TSD INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 2
Waste Number: NONE
Container Number: 2

Container Type: Metal drums, barrels, kegs

Waste Quantity: 110.00

Unit: Gallons (liquids only)

Handling Code: Not reported TSP EPA Id: Not reported Date TSP Sig: Not reported

Manifest Number: 003050204JJK

Manifest Type:

Generator EPA Id: VAD981112022
Generator Date: 10/13/2009 0:00:00
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD Epa Id: PAD067098822

Direction Distance Elevation

levation Site Database(s) EPA ID Number

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 3
Waste Number: D001
Container Number: 1

Container Type: Metal drums, barrels, kegs

Waste Quantity: 200.00
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Manifest Number: PAH125268

Manifest Type: T

VAD981112022 Generator EPA Id: Generator Date: 01/26/06 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD Epa Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC 550 INDUSTRIAL DRIVE TSD Facility Address:

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1

Container Type: Cargo tanks (tank trucks)

Waste Quantity: 463

Unit: Gallons (liquids only)

Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Manifest Number: PAH125268

Manifest Type: T

Generator EPA Id: VAD981112022 Generator Date: 01/26/06 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD Epa Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Direction Distance Elevation

n Site Database(s) EPA ID Number

WMATA FOUR MILE RUN (Continued)

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D018
Container Number: 1

Container Type: Cargo tanks (tank trucks)

Waste Quantity: 463

Unit: Gallons (liquids only)

Handling Code: Not reported TSP EPA Id: Not reported Date TSP Sig: Not reported

Manifest Number: PAH289463

Manifest Type: T

Generator EPA Id: VAD981112022 Generator Date: 04/17/06 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported TSD Epa Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 3
Waste Number: D001
Container Number: 1

Container Type: Metal drums, barrels, kegs

Waste Quantity: 150
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Manifest Number: 000253011FLE Manifest Type: Not reported VAD981112022 Generator EPA Id: Generator Date: 7/23/2007 0:00:00 Mailing Address: Not reported Not reported Mailing City, St, Zip: Contact Name: Not reported Contact Phone: Not reported TSD Epa Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA
Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1

EDR ID Number

1000101235

Map ID MAP FINDINGS
Direction

Distance Elevation

tion Site Database(s) EPA ID Number

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

Container Type: Metal drums, barrels, kegs

Waste Quantity: 100.00
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

000253011FLE Manifest Number: Manifest Type: Not reported Generator EPA Id: VAD981112022 Generator Date: 7/23/2007 0:00:00 Not reported Mailing Address: Mailing City, St, Zip: Not reported Contact Name: Not reported Contact Phone: Not reported PAD067098822 TSD Epa Id: TSD Date: Not reported CYCLE CHEM INC TSD Facility Name: TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 1
Waste Number: D018
Container Number: 1

Container Type: Metal drums, barrels, kegs

Waste Quantity: 100.00
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Manifest Number: 000253011FLE Not reported Manifest Type: Generator EPA Id: VAD981112022 Generator Date: 7/23/2007 0:00:00 Mailing Address: Not reported Mailing City, St, Zip: Not reported Contact Name: Not reported Not reported Contact Phone: TSD Epa Id: PAD067098822 TSD Date: Not reported TSD Facility Name: CYCLE CHEM INC TSD Facility Address: 550 INDUSTRIAL DRIVE

TSD Facility City: LEWISBERRY

TSD Facility State: PA

Facility Telephone: Not reported

Page Number: 1
Line Number: 2
Waste Number: NONE
Container Number: 6

Container Type: Metal drums, barrels, kegs

Waste Quantity: 900.00
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: Not reported

Direction Distance Elevation

Site Database(s) **EPA ID Number**

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

Date TSP Sig: Not reported

NY MANIFEST:

EPA ID: VAD981112022

Country: USA **WMATA** Mailing Name: Mailing Contact: **WMATA**

Mailing Address: 3501 SOUTH GLEBE ROAD

Mailing Address 2: Not reported ARLINGTON Mailing City: Mailing State: VA Mailing Zip: 22202 Mailing Zip4: Not reported Mailing Country: USA Mailing Phone: 000-000-0000

Document ID: NYA9375838 Manifest Status: Completed copy 42789A291 Trans1 State ID: Trans2 State ID: Not reported 890530 Generator Ship Date: Trans1 Recv Date: 890530 Trans2 Recv Date: Not reported TSD Site Recv Date: 890605 Part A Recv Date: 890608 Part B Recv Date: 890614

Generator EPA ID: VAD981112022 ILD051060408 Trans1 EPA ID: Trans2 EPA ID: Not reported TSDF ID: NYD980753784 Waste Code: F003 - UNKNOWN

Quantity: 00054 P - Pounds Units: 002

Number of Containers:

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 100 89 Year:

Document ID: NYA9600546 Manifest Status: Completed copy Trans1 State ID: 00000000 Trans2 State ID: 00000000 Generator Ship Date: 890817 Trans1 Recv Date: 890817 Not reported Trans2 Recv Date: TSD Site Recv Date: 890822 Part A Recv Date: 890822 Part B Recv Date: 890830

Generator EPA ID: VAD981112022 Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 Waste Code: F003 - UNKNOWN

Quantity: 00027

Direction Distance

Elevation Site Database(s) **EPA ID Number**

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

Units: P - Pounds

Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: R Material recovery of more than 75 percent of the total material.

Specific Gravity: 100 Year: 89

Document ID: NYC0223435

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

42790A057 Trans1 State ID: T615KPNJ Trans2 State ID: 900510 Generator Ship Date: Trans1 Recv Date: 900510 Trans2 Recv Date: 900517 TSD Site Recv Date: 900522 Part A Recy Date: 900910 Part B Recv Date: 900806

Generator EPA ID: VAD981112022 Trans1 EPA ID: ILD051060408 Trans2 EPA ID: ILD051060408 TSDF ID: NYD980753784 Waste Code: F005 - UNKNOWN

Quantity: 00027 Units: P - Pounds

Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 90

Document ID: NYC0040173

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

Trans1 State ID: 00000000 Trans2 State ID: 00000000 Generator Ship Date: 900126 Trans1 Recv Date: 900126 Trans2 Recv Date: Not reported TSD Site Recv Date: 900206 Part A Recv Date: 900206 Part B Recv Date: 900227

Generator EPA ID: VAD981112022 Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 Waste Code: F003 - UNKNOWN

Quantity: 00027 Units: P - Pounds Number of Containers: 001

Container Type:

DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 90 Year:

Document ID: NYC0132107

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WMATA FOUR MILE RUN (Continued)

1000101235

Manifest Status: Completed copy 00000000 Trans1 State ID: 00000000 Trans2 State ID: Generator Ship Date: 900308 Trans1 Recv Date: 900308 Trans2 Recv Date: Not reported TSD Site Recv Date: 900320 Part A Recv Date: 900327 Part B Recv Date: 900329 Generator EPA ID: VAD981112022

Trans1 EPA ID: ILD051060408 Trans2 EPA ID: Not reported TSDF ID: NYD980753784 Waste Code: F003 - UNKNOWN

Quantity: 00027 P - Pounds Units:

001 Number of Containers:

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 90

Document ID: NYC0447816

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

42790A057 Trans1 State ID: Trans2 State ID: Not reported Generator Ship Date: 900924 Trans1 Recv Date: 900924 Trans2 Recv Date: Not reported TSD Site Recv Date: 901009 Part A Recy Date: 901010 Part B Recv Date: 901026 Generator EPA ID: VAD981112022 Trans1 EPA ID: ILD051060408 Trans2 EPA ID:

Not reported TSDF ID: NYD980753784 Waste Code: F005 - UNKNOWN

Quantity: 00027 Units: P - Pounds Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 90 Year:

NYC0356411 Document ID:

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

Trans1 State ID: 00000000 00000000 Trans2 State ID: Generator Ship Date: 900712 Trans1 Recv Date: 900712 Trans2 Recv Date: 900719 TSD Site Recy Date: 900724 900814 Part A Recv Date: Part B Recv Date: 900814

Direction Distance

Elevation Site Database(s) EPA ID Number

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

 Generator EPA ID:
 VAD981112022

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 ILD051060408

 TSDF ID:
 NYD980753784

 Waste Code:
 F005 - UNKNOWN

Quantity: 00027 Units: P - Pounds Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 90

Document ID: NYC0880558

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

Trans1 State ID: 42791A100 NJ564TUH Trans2 State ID: Generator Ship Date: 910416 Trans1 Recv Date: 910416 Trans2 Recv Date: 910418 TSD Site Recv Date: 910423 Part A Recy Date: 910425 Part B Recv Date: 910513

 Generator EPA ID:
 VAD981112022

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 ILD051060408

 TSDF ID:
 NYD980753784

 Waste Code:
 F005 - UNKNOWN

Quantity: 00027 Units: P - Pounds Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 91

Document ID: NYC0553105

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

Trans1 State ID: 42790A057 Trans2 State ID: T996LNNJ Generator Ship Date: 901119 Trans1 Recv Date: 901119 Trans2 Recv Date: 901206 TSD Site Recv Date: 901212 Part A Recv Date: 901218 Part B Recv Date: 910115 Generator EPA ID:

 Generator EPA ID:
 VAD981112022

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 ILD051060408

 TSDF ID:
 NYD980753784

 Waste Code:
 F005 - UNKNOWN

Quantity: 00027 Units: P - Pounds Number of Containers: 001

Container Type: DM - Metal drums, barrels

Direction Distance

Elevation Site Database(s) EPA ID Number

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 90

Document ID: NYC0632564

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

Trans1 State ID: 42791A101 Trans2 State ID: Not reported Generator Ship Date: 910102 910102 Trans1 Recv Date: Trans2 Recv Date: Not reported TSD Site Recv Date: 910116 Part A Recv Date: 910109 Part B Recv Date: 910207

 Generator EPA ID:
 VAD981112022

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 Not reported

 TSDF ID:
 NYD980753784

 Waste Code:
 F005 - UNKNOWN

Quantity: 00027 Units: P - Pounds

Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 91

Document ID: NYC1004196

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

Trans1 State ID: 42791A101 Trans2 State ID: NJ564TUH Generator Ship Date: 910531 Trans1 Recv Date: 910531 Trans2 Recv Date: 910606 TSD Site Recv Date: 910613 Part A Recv Date: 910612 Part B Recv Date: 910626 Generator EPA ID: VAD981112022 Trans1 EPA ID: ILD051060408 Trans2 EPA ID:

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 ILD051060408

 TSDF ID:
 NYD980753784

 Waste Code:
 F005 - UNKNOWN

Quantity: 00027 Units: P - Pounds Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 91

Document ID: NYC1107584

Manifest Status: Completed copy

Trans1 State ID: 42791A101

Trans2 State ID: NJ564TUH

Direction Distance

Elevation Site Database(s) EPA ID Number

WMATA FOUR MILE RUN (Continued)

1000101235

EDR ID Number

Generator Ship Date: 910724 910724 Trans1 Recv Date: Trans2 Recv Date: 910725 TSD Site Recv Date: 910730 Part A Recv Date: 910802 Part B Recv Date: 910809 Generator EPA ID: VAD981112022 Trans1 EPA ID: ILD051060408 Trans2 EPA ID: ILD051060408 TSDF ID: NYD980753784 Waste Code: F005 - UNKNOWN

Quantity: 00027 Units: P - Pounds Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 91

Document ID: NYC0716602

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC

Trans1 State ID: 42791A101 Trans2 State ID: NJ506TYJ Generator Ship Date: 910212 Trans1 Recv Date: 910212 Trans2 Recy Date: 910221 TSD Site Recv Date: 910227 Part A Recv Date: 910228 Part B Recv Date: 910312 Generator EPA ID:

 Generator EPA ID:
 VAD981112022

 Trans1 EPA ID:
 ILD051060408

 Trans2 EPA ID:
 ILD051060408

 TSDF ID:
 NYD980753784

 Waste Code:
 F005 - UNKNOWN

Quantity: 00027 Units: P - Pounds Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 91

Document ID: NYC1221219 Completed copy Manifest Status: Trans1 State ID: 056408536 Trans2 State ID: Not reported Generator Ship Date: 910920 Trans1 Recv Date: 910920 Trans2 Recv Date: Not reported TSD Site Recv Date: 910927 Part A Recv Date: 911002 Part B Recv Date: 911008 Generator EPA ID: VAD981112022 ILD051060408 Trans1 EPA ID: Trans2 EPA ID: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WMATA FOUR MILE RUN (Continued)

1000101235

U003698634

N/A

VA LTANKS

VA FINANCIAL ASSURANCE

VA UST

VA AST

TSDF ID: NYD980753784 F005 - UNKNOWN Waste Code:

Quantity: 00027 Units: P - Pounds Number of Containers: 001

Container Type: DM - Metal drums, barrels

Handling Method: B Incineration, heat recovery, burning.

Specific Gravity: 100 Year: 91

WMATA - FOUR MILE RUN BUS GARAGE

27-SEP-1994

West 3501 S GLEBE RD 1/8-1/4 ARLINGTON, VA 22202

0.216 mi. 1139 ft. Site 2 of 2 in cluster P

LTANKS:

Relative: Lower

P67

Region: **NVRO** CEDS Facility Id:

200000080423 Actual: Case Status: Closed 13 ft. Pollution Complaint #: 19954213

Reported:

Reported: 10-MAR-1995

NVRO Region: 200000080423 CEDS Facility Id: Case Status: Closed Pollution Complaint #: 19954067

NVRO Region:

CEDS Facility Id: 200000080423 Case Status: Closed Pollution Complaint #: 20003332 01-MAY-2000 Reported:

Region: **NVRO**

CEDS Facility Id: 200000080423 Case Status: Closed Pollution Complaint #: 19931087 01-DEC-1992 Reported:

Region: **NVRO**

CEDS Facility Id: 200000080423 Case Status: Closed Pollution Complaint #: 19922175 Reported: 14-MAY-1992

NVRO Region:

200000080423 CEDS Facility Id: Case Status: Closed Pollution Complaint #: 19930012 Reported: 02-JUL-1992

NVRO Region:

CEDS Facility Id: 200000080423 Case Status: Closed Pollution Complaint #: 19932366 Reported: 27-MAY-1993

MAP FINDINGS Map ID Direction

Distance Elevation Site

Database(s) **EPA ID Number**

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

EDR ID Number

UST:

Facility:

Facility Id: 3011334 Facility Type: LOCAL CEDS Facility ID: 200000080423

Owner:

Facility Id: 3011334 Owner Id: 33042

Owner Name: Washington Metro Area Transit Authority

600 Fifth St NW Owner Address: Owner Address2: Not reported

Owner City, State, Zip: Washington, DC 20001

UST Status: AST Status: Reg

Federally Regulated: Yes

Tank Number: 20000 Tank Capacity: Tank Contents: DIESEL **CURR IN USE** Tank Status:

Tank Type: UST

Tank Material:

Tank Type: UST Fac Id: 3011334 Own Id: 33042 Tank Number:

Install Date: 01-MAR-1995 Tank Status: **CURR IN USE**

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

Tank Type: UST Fac Id: 3011334 Own Id: 33042 Tank Number: 1

Install Date: 01-MAR-1995 **CURR IN USE** Tank Status:

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness

Direction
Distance
Elevation

n Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

EDR ID Number

Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Υ Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Υ Tank Release Detection: Overfill Install Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Υ Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
Y
Pipe Release Detection: Line Tightness
Y
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
Y
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 1

 Install Date:
 01-MAR-1995

 Tank Status:
 CURR IN USE

 Pipe Type:
 PRESSURE

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

 Tank Number:
 2

 Tank Capacity:
 20000

 Tank Contents:
 DIESEL

 Tank Status:
 CURR IN USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 2

Install Date: 01-MAR-1995
Tank Status: CURR IN USE

Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N

Direction Distance Elevation

Site EDR ID Number

Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Tank Materials: Epoxy Steel Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 2

Install Date: 01-MAR-1995
Tank Status: CURR IN USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Υ Tank Release Detection: Tank Tightness Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Υ Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
Y
Pipe Release Detection: Line Tightness
Y
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
Y
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 2

 Install Date:
 01-MAR-1995

 Tank Status:
 CURR IN USE

 Pipe Type:
 PRESSURE

Pipe Materials: Bare Steel N
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass Y

Direction Distance Elevation

EDR ID Number
Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Pipe Materials: Cath Protect N
Pipe Materials: Double Walled Y
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

 Tank Number:
 3

 Tank Capacity:
 10000

 Tank Contents:
 GASOLINE

 Tank Status:
 CURR IN USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 3

Install Date: 01-MAR-1995
Tank Status: CURR IN USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Ν Tank Materials: Lined Interior Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 3

Install Date: 01-MAR-1995
Tank Status: CURR IN USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Υ Tank Release Detection: Vapor Monitor Ν Υ Tank Release Detection: Inventory Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Tank Release Detection: Other Method Tank Release Detection: Other Note

Not reported Pipe Release Detection: Leak Deferred Not reported Pipe Release Detection: Autoleak

Υ Pipe Release Detection: Line Tightness Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Υ Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

UST Tank Type: Fac Id: 3011334 Own Id: 33042 Tank Number: 3

Install Date: 01-MAR-1995 Tank Status: **CURR IN USE PRESSURE** Pipe Type:

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: Tank Capacity: 10000

Tank Contents: **HEATING OIL** Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3011334 Own Id: 33042

Tank Number: 4

Install Date: 01-APR-1995

Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν

Direction Distance Elevation

tion Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

EDR ID Number

Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 4

Install Date: 01-APR-1995
Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Υ Tank Release Detection: Tank Tightness Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Υ Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Υ Tank Release Detection: Int Double Walled Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak

Pipe Release Detection: Line Tightness

Y

Pipe Release Detection: Stat Invent Recon

Pipe Release Detection: Groundwater

N

Pipe Release Det: Int Secondary Containment

Y

Pipe Release Det: Interior Double Walled

N

Pipe Release Detection: Other Method

N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 4

Install Date: 01-APR-1995
Tank Status: PERM OUT OF USE

Pipe Type: PRESSURE

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Υ Pipe Materials: Fiberglass Pipe Materials: Cath Protect Ν Υ Pipe Materials: Double Walled Pipe Materials: Secondary Containment Ν Ν Pipe Materials: Repaired Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Tank Number: 10000 Tank Capacity: Tank Contents: MOTOR OIL **Tank Status: CURR IN USE** UST

Tank Type:

Tank Material:

UST Tank Type: Fac Id: 3011334 Own Id: 33042 Tank Number: 5

01-APR-1995 Install Date:

Tank Status: **CURR IN USE**

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν

Tank Materials: Other Tank Materials: Other Note Not reported

Ν

Release:

UST Tank Type: Fac Id: 3011334 Own Id: 33042 Tank Number:

01-APR-1995 Install Date: **CURR IN USE** Tank Status:

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Tank Release Detection: Tank Tightness Υ Ν Tank Release Detection: Vapor Monitor Υ Tank Release Detection: Inventory Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Υ Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Υ Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Map ID Direction Distance Elevation

ance EDR ID Number vation Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

Tank Number: 5

Install Date: 01-APR-1995
Tank Status: CURR IN USE

Pipe Type: NO VALVE: SUCTION

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: 6
Tank Capacity: 2500
Tank Contents: OTHER
Tank Status: CURR IN USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 6

Install Date: 01-APR-1995
Tank Status: CURR IN USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Υ Tank Materials: Fiberglass Tank Materials: Concrete Ν Tank Materials: Composite Ν Υ Tank Materials: Double Walled Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 6

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Install Date: 01-APR-1995 Tank Status: **CURR IN USE** Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Υ Tank Release Detection: Autogauge Tank Release Detection: Tank Tightness Υ Tank Release Detection: Vapor Monitor Ν Υ Tank Release Detection: Inventory Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Υ Tank Release Detection: Overfill Install Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Υ Tank Release Detection: Other Method Ν Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Leak Deferred

Not rep
Pipe Release Detection: Autoleak

Pipe Release Detection: Line Tightness

Y

Pipe Release Detection: Stat Invent Recon

N

Pipe Release Detection: Groundwater

N

Pipe Release Det: Int Secondary Containment

Y

Pipe Release Det: Interior Double Walled

N

Pipe Release Detection: Other Method

N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 6

Install Date: 01-APR-1995
Tank Status: CURR IN USE
Pipe Type: NO VALVE: SUCTION

Pipe Materials: Bare Steel N Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: 7
Tank Capacity: 1000
Tank Contents: OTHER
Tank Status: CURR IN USE

Tank Type: UST

Tank Material:

Tank Type: UST Fac ld: 3011334

Direction Distance Elevation

EDR ID Number
Site Database(s) EPA ID Number

33042

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Tank Number: 7 Install Date: 01-APR-1995 Tank Status: **CURR IN USE** Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

Own Id:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 7

Install Date: 01-APR-1995
Tank Status: CURR IN USE

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Υ Υ Tank Release Detection:Tank Tightness Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Υ Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Υ Tank Release Detection: Overfill Install Υ Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Υ Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Y
Pipe Release Detection: Line Tightness Y
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment Y
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 7

Install Date: 01-APR-1995

Direction Distance Elevation

tance EDR ID Number evation Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

CURR IN USE Tank Status: NO VALVE: SUCTION Pipe Type: Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Υ Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: 8
Tank Capacity: 6000
Tank Contents: USED OIL
Tank Status: CURR IN USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 8

Install Date: 01-FEB-1995
Tank Status: CURR IN USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Υ Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Υ Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 8

Install Date: 01-FEB-1995
Tank Status: CURR IN USE

Tank Release Detection: Leak Deferred N
Tank Release Detection: Manual Gauge N
Tank Release Detection: Autogauge Y
Tank Release Detection: Tank Tightness Y
Tank Release Detection: Vapor Monitor N
Tank Release Detection: Inventory Y

Direction
Distance
Elevation

Site EDR ID Number

EDR ID Number

EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Tank Release Detection: Stat Invent Recon
Tank Release Detection: Spill Install
Y
Tank Release Detection: Overfill Install
Y
Tank Release Detection: Groundwater
N
Tank Release Det: Int Secondary Containment
N
Tank Release Detection: Int Double Walled
Y
Tank Release Detection: Other Method
N

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak

Pipe Release Detection: Line Tightness

Pipe Release Detection: Stat Invent Recon

Pipe Release Detection: Groundwater

N

Pipe Release Det: Int Secondary Containment

Pipe Release Det: Interior Double Walled

N

Pipe Release Detection: Other Method

N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 8

Install Date: 01-FEB-1995
Tank Status: CURR IN USE
Pipe Type: GRAVITY

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Υ Pipe Materials: Fiberglass Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Υ Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number:R1Tank Capacity:20000Tank Contents:DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R1

Install Date: 06-APR-1983
Tank Status: REM FROM GRD

Tank Materials: Bare Steel N
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass Y

Direction
Distance
Elevation

Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

EDR ID Number

Tank Materials: Concrete Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R1

Install Date: 06-APR-1983
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R1

 Install Date:
 06-APR-1983

 Tank Status:
 REM FROM GRD

 Pipe Type:
 PRESSURE

Pipe Materials: Bare Steel Y
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R10 Tank Capacity: 5000 Tank Contents: DIESEL

REM FROM GRD Tank Status:

Tank Type: UST

Tank Material:

Tank Type: UST Fac Id: 3011334 33042 Own Id: Tank Number: R10

Install Date: Not reported REM FROM GRD Tank Status:

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

Tank Type: UST Fac Id: 3011334 Own Id: 33042 Tank Number: R10 Install Date: Not reported

Tank Status: **REM FROM GRD** Tank Release Detection: Leak Deferred Ν

Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported

Direction Distance Elevation

n Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

Pipe Release Detection: Leak Deferred Not reported

Ν

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R10

Install Date: Not reported
Tank Status: REM FROM GRD
Pipe Type: PRESSURE

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν

Pipe Materials: Other Note Not reported

Tank Number: R11
Tank Capacity: 4000
Tank Contents: DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

Pipe Materials: Other

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R11

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Ν Tank Materials: Composite Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν **EDR ID Number**

U003698634

Direction Distance Elevation

Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

EDR ID Number

Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R11

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R11

 Install Pate:
 Net specifies

Install Date: Not reported
Tank Status: REM FROM GRD
Pipe Type: PRESSURE

Υ Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Ν Pipe Materials: Repaired Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Direction Distance Elevation

Site Database(s) **EPA ID Number**

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

EDR ID Number

Tank Number: R12 Tank Capacity: 5000 Tank Contents: **USED OIL Tank Status: REM FROM GRD**

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3011334 Own Id: 33042 Tank Number: R12

Install Date: 06-APR-1975 Tank Status: **REM FROM GRD**

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

UST Tank Type: Fac Id: 3011334 Own Id: 33042 Tank Number: R12

Install Date: 06-APR-1975 **REM FROM GRD** Tank Status:

Tank Release Detection: Leak Deferred N Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Ν Tank Release Detection: Vapor Monitor Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Ν Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Ν Pipe Release Det: Interior Double Walled Pipe Release Detection: Other Method Ν

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

Not reported

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

Pipe Release Detection: Other Note

U003698634

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R12

 Install Date:
 06-APR-1975

 Tank Status:
 REM FROM GRD

 Pipe Type:
 GRAVITY

Pipe Type: Pipe Materials: Bare Steel Υ Ν Pipe Materials: Galvanized Steel Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R2
Tank Capacity: 20000
Tank Contents: DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R2

Install Date: 06-APR-1983
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Ν Tank Materials: Fiberglass Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R2

Direction Distance Elevation

EDR ID Number

n Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Install Date: 06-APR-1983 **REM FROM GRD** Tank Status: Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported Pipe Release Detection: Autoleak

Pipe Release Detection: Autoleak

Pipe Release Detection: Line Tightness

N

Pipe Release Detection: Stat Invent Recon

N

Pipe Release Detection: Groundwater

N

Pipe Release Det: Int Secondary Containment

N

Pipe Release Det: Interior Double Walled

N

Pipe Release Detection: Other Method

N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R2

Install Date: 06-APR-1983
Tank Status: REM FROM GRD
Pipe Type: PRESSURE

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R3
Tank Capacity: 4000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

Tank Type: UST Fac ld: 3011334

Direction Distance Elevation

Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

EDR ID Number

Own Id: 33042
Tank Number: R3
Install Date: Not reported
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R3

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R3

Install Date: Not reported

Direction Distance Elevation

EDR ID Number
Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

REM FROM GRD Tank Status: **PRESSURE** Pipe Type: Pipe Materials: Bare Steel Υ Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R4
Tank Capacity: 10000
Tank Contents: HAZARD

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R4

Install Date: 06-APR-1975
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R4

Install Date: 06-APR-1975
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred
Tank Release Detection: Manual Gauge
N
Tank Release Detection: Autogauge
N
Tank Release Detection: Tank Tightness
N
Tank Release Detection: Vapor Monitor
N
Tank Release Detection: Inventory
N

Direction Distance Elevation

Site EDR ID Number

Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Tank Release Detection: Stat Invent Recon
Tank Release Detection: Spill Install
N
Tank Release Detection: Overfill Install
N
Tank Release Detection: Groundwater
N
Tank Release Det: Int Secondary Containment
N
Tank Release Detection: Int Double Walled
N
Tank Release Detection: Other Method
N

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R4

Install Date: 06-APR-1975
Tank Status: REM FROM GRD
Pipe Type: VALVE: SUCTION

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Υ Pipe Materials: Fiberglass Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R5
Tank Capacity: 10000
Tank Contents: MOTOR OIL
Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R5

Install Date: 06-APR-1975
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Y
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N

Direction
Distance
Elevation

Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

EDR ID Number

Tank Materials: Concrete Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R5

Install Date: 06-APR-1975
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install N Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method N

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R5

Install Date: 06-APR-1975
Tank Status: REM FROM GRD
Pipe Type: VALVE: SUCTION

Pipe Materials: Bare Steel Y
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N

Direction Distance Elevation

ce EDR ID Number on Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

Tank Number: R6
Tank Capacity: 10000
Tank Contents: HEATING OIL
Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R6

Install Date: 06-APR-1975
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R6

Install Date: 06-APR-1975
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported

Direction Distance Elevation

nce EDR ID Number tition Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Pipe Release Detection: Leak Deferred Not reported Pipe Release Detection: Autoleak Ν Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R6

 Install Date:
 06-APR-1975

 Tank Status:
 REM FROM GRD

 Pipe Type:
 PRESSURE

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R7
Tank Capacity: 550
Tank Contents: USED OIL
Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R7

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Ν Tank Materials: Composite Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν

Direction Distance Elevation

EDR ID Number

n Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R7

Install Date: Not reported Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R7

Install Date: Not reported
Tank Status: REM FROM GRD
Pipe Type: GRAVITY

Pipe Materials: Bare Steel Υ Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Ν Pipe Materials: Repaired Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Direction Distance Elevation

n Site Database(s) EPA ID Number

HAZARD

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

Tank Number: R8
Tank Capacity: 10000

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

Tank Contents:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R8

Install Date: 06-APR-1975
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R8

Install Date: 06-APR-1975
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred N Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Ν Tank Release Detection: Vapor Monitor Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

EDR ID Number

U003698634

Direction Distance Elevation

ion Site Database(s) EPA ID Number

Not reported

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

Pipe Release Detection: Other Note

U003698634

EDR ID Number

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R8

Install Date:06-APR-1975Tank Status:REM FROM GRDPipe Type:VALVE: SUCTION

Pipe Materials: Bare Steel Υ Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Tank Number: R9
Tank Capacity: 4000
Tank Contents: DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R9

Install Date: Not reported Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Ν Tank Materials: Fiberglass Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R9

Direction
Distance
Elevation

on Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

EDR ID Number

Install Date:

Tank Status:

Tank Release Detection: Leak Deferred

Tank Release Detection: Leak Deferred

N

Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N Pipe Release Detection: Line Tightness
N Pipe Release Detection: Stat Invent Recon
N Pipe Release Detection: Groundwater
N Pipe Release Det: Int Secondary Containment
N Pipe Release Det: Interior Double Walled
N Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 R9

Install Date: Not reported
Tank Status: REM FROM GRD
Pipe Type: PRESSURE

Pipe Materials: Bare Steel Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

AST:

Facility:

 Facility ID:
 3011334

 Facility Type:
 LOCAL

 CEDS Facility ID:
 200000080423

Owner:

Facility Id: 3011334

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Owner Id: 33042

Owner Name: Washington Metro Area Transit Authority

Owner Address: 600 Fifth St NW Owner Address2: Not reported Owner City: Washington Owner State: DC Owner Zip: 20001 Ust Status: Reg Ast Status: Reg

Fed Regulated: No Tank Number: AST Tank Type: Tank Capacity: 1000 Tank Contents: LUBE OIL Tank Status: **CURR IN USE**

Tank Containment:

Tank Type: AST Fac Id: 3011334 Own Id: 33042 Tank Number:

Install Date: 01-JAN-2001 **CURR IN USE** Tank Status:

Containment: Curbing Ν Containment: Weirs Ν Containment: Sorbent Ν Containment: Culvert Ν Containment: Diversion Ν Containment: Retention Ν Containment: Dike Ν Containment: Unknown Ν Containment: Other Ν

Containment: Other Note Not reported

Release Detection: Ground Water Ν Release Detection: Visual Ν Release Detection: Vapor Ν Release Detection: Interstitial Ν Release Detection: None Ν Release Detection: Other Ν

Release Detection: Other Note Not reported

Release Prevention: Double Bottom Ν Release Prevention: Double Walled Ν Release Prevention: Lined Interior Ν Release Prevention: Poly Jacket Ν Release Prevention: Exc Liner Ν Release Prevention: None Ν Release Prevention: Unknown Ν Release Prevention: Other N

Release Prevention: Other Note Not reported

Tank Foundation:

Tank Type: AST Fac Id: 3011334 Own Id: 33042 Tank Number:

Direction Distance Elevation

Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

EDR ID Number

Install Date: 01-JAN-2001
Tank Status: CURR IN USE

Tank Foundation: Steel N
Tank Foundation: Earthen N
Tank Foundation: Concrete Imp
Tank Foundation: Unknown N
Tank Foundation: Other N

Tank Foundation: Other Note Not reported

Tank Roof: Float Tank Roof: Cone Ν Tank Roof: Breather Ν Tank Roof: Dbldeck Ν Tank Roof: Pontoon Ν Tank Roof: Balloon Ν Tank Roof: Lifter Ν Tank Roof: Pan Ν Tank Roof: Other Ν

Tank Roof: Other Note Fixed Flat

Tank Material:

 Tank Type:
 AST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 1

Install Date: 01-JAN-2001 Tank Status: CURR IN USE

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite N Tank Materials: Insulated Tank Jacket Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Tank Materials: Epoxy Coated Interior N Tank Materials: Epoxy Coated Exterior N Tank Materials: Double Walled Tank Materials: Double Bottomed Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Fed Regulated: No
Tank Number: 3
Tank Type: AST
Tank Capacity: 1000
Tank Contents: OTHER
Tank Status: CURR IN USE

Tank Containment:

 Tank Type:
 AST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 3

Install Date: 01-JAN-2001

Direction
Distance
Elevation

nce EDR ID Number tion Site Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

CURR IN USE Tank Status: Containment: Curbing Ν Containment: Weirs Ν Containment: Sorbent Ν Containment: Culvert Ν Containment: Diversion Ν Containment: Retention Ν Containment: Dike Ν Containment: Unknown Ν Containment: Other Ν

Containment: Other Note Not reported

Release Detection: Ground Water N
Release Detection: Visual N
Release Detection: Vapor N
Release Detection: Interstitial N
Release Detection: None N
Release Detection: Other N

Release Prevention: Double Bottom Ν Release Prevention: Double Walled Ν Release Prevention: Lined Interior Ν Release Prevention: Poly Jacket Ν Release Prevention: Exc Liner Ν Release Prevention: None Ν Release Prevention: Unknown Ν Release Prevention: Other Ν

Release Prevention: Other Note Not reported

Tank Foundation:

 Tank Type:
 AST

 Fac Id:
 3011334

 Own Id:
 33042

 Tank Number:
 3

Install Date: 01-JAN-2001 Tank Status: CURR IN USE

Tank Foundation: Steel N
Tank Foundation: Earthen N
Tank Foundation: Concrete Imp
Tank Foundation: Unknown N
Tank Foundation: Other N

Tank Foundation: Other Note Not reported

Tank Roof: Float Ν Tank Roof: Cone Ν Tank Roof: Breather Ν Tank Roof: Dbldeck Ν Tank Roof: Pontoon Ν Tank Roof: Balloon Ν Ν Tank Roof: Lifter Tank Roof: Pan Ν Tank Roof: Other Ν Tank Roof: Other Note Fixd Flat

Tank Material:

 Tank Type:
 AST

 Fac Id:
 3011334

 Own Id:
 33042

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

WMATA - FOUR MILE RUN BUS GARAGE (Continued)

U003698634

Tank Number: 3

Install Date: 01-JAN-2001 Tank Status: CURR IN USE

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Epoxy Coated Interior N Tank Materials: Epoxy Coated Exterior Ν Tank Materials: Double Walled Tank Materials: Double Bottomed Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

VA FINANCIAL ASSURANCE:

Facility ID: 3011334 FRP Financial Assurance: Full

Owner Name: WMATA - FOUR MILE RUN BUS GARAGE

ROF Own Id: 33042 Tank Type: UST Mechanism: Insurance Gallonage: Not reported Per Occurence: \$1,000,000 \$1,000,000 Third Party: Annual Aggregate: \$1,000,000 In Compliance: Not reported **Total Capacity:** 2000

CEDS Facility Name: WMATA - Four Mile Run Bus Garage

CEDS Facility Id: 200000080423

Tank Type Count: 22

Location: 3501 S Glebe Rd

68 I MARK CORP

West 408 E GLEBE RD 1/8-1/4 ALEXANDRIA, VA 22305

0.226 mi. 1192 ft.

Relative: UST: Higher Facility:

Actual: Facility Id: 3001954

33 ft. Facility Type: TRUCKING/TRANSPORT

CEDS Facility ID: 200000077431

Owner:

Facility Id: 3001954 Owner Id: 38173

Owner Name: POLLARD FAMILY ENTERPRISES, INC

Owner Address: %MARK POLLARD

Owner Address2: 21641 BEAUMEADE CIRCLE Owner City, State, Zip: ASHBURN, VA 20147

VA UST

U003678423

N/A

Direction
Distance
Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

I MARK CORP (Continued) U003678423

UST Status: Not reported AST Status: Not reported

Federally Regulated: Yes

Tank Number: R1
Tank Capacity: 2000
Tank Contents: DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3001954

 Own Id:
 38173

 Tank Number:
 R1

Install Date: 11-APR-1971
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Ν Tank Materials: Insulated Tank Jacket Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3001954

 Own Id:
 38173

 Tank Number:
 R1

Install Date: 11-APR-1971
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Ν

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N

Tank Release Detection: Other Method

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

I MARK CORP (Continued) U003678423

Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST Fac Id: 3001954 Own Id: 38173 Tank Number: R1

11-APR-1971 Install Date: Tank Status: REM FROM GRD Pipe Type: **UNKNOWN**

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Ν Pipe Materials: Secondary Containment Pipe Materials: Repaired Ν

Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Q69 **HUD PROPERTY VA LTANKS** S105463152

West **519 E CUSTIS AVE** 1/8-1/4 ALEXANDRIA, VA 22301

0.228 mi.

Site 1 of 2 in cluster Q 1204 ft.

LTANKS: Relative:

Region: **NVRO** Higher

CEDS Facility Id: 200000185608 Actual: Case Status: Closed 40 ft. Pollution Complaint #: 19973076 11-OCT-1996 Reported:

Q70 **HUD PROPERTY VA LUST** S104407188 N/A

West **519 EAST CUSTIS AVENUE** 1/8-1/4 ALEXANDRIA, VA 22301 0.228 mi.

Site 2 of 2 in cluster Q 1204 ft.

LUST REG NO: Relative: Region: NO Higher

3900406 Facility ID: Actual: Status: Closed 40 ft. Tank Size: 550 Product: heating oil

Release Date: 10/11/1996 Closed Date: 11/17/1997 Case Type: Article 11

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

HUD PROPERTY (Continued) S104407188

Case Officer: Bill Von Till
Pollution Complaint #: 97-3076
Permit Number: Not reported

Priority: 3

 O71
 PEPSI COLA
 RCRA-SQG
 1000381865

 West
 405 FANNON ST
 FINDS
 VAD981938830

1/8-1/4 ALEXANDRIA, VA 22301

0.235 mi.

1243 ft. Site 4 of 6 in cluster O

Relative: RCRA-SQG:

Higher Date form received by agency: 03/31/1987
Facility name: PEPSI COLA
Actual: Facility address: 405 FANNON ST

47 ft. ALEXANDRIA, VA 22301

ALEXANDRIA, VA 2230

EPA ID: VAD981938830
Contact: MARK LEROUX
Contact address: 405 FANNON ST

ALEXANDRIA, VA 22301

Contact country: US

Contact telephone: (703) 548-9407 Contact email: Not reported

EPA Region: 03

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET

OPERCITY, AK 99999

Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Operator

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PEPSI COLA CORP
Owner/operator address: OWNERSTREET
OWNERCITY, AK 99999

Owner/operator country: Not reported Owner/operator telephone: (215) 555-1212

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

PEPSI COLA (Continued) 1000381865

Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: Nο Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110005232435

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

072 VA UST U003678169 PEPSI COLA BOTTLING OF WASHINGTON DC N/A

West **405 FANNON ST** 1/8-1/4 ALEXANDRIA, VA 22301

0.235 mi.

1243 ft. Site 5 of 6 in cluster O

UST: Relative: Higher

Facility: Facility Id: 3000222 Actual: Facility Type: COMMERCIAL 47 ft. CEDS Facility ID: 200000075683

Owner:

Facility Id: 3000222 Owner Id: 35035

Pepsi-Cola Company Owner Name: 1 Pepsi Place Owner Address: Owner Address2: Not reported Owner City, State, Zip: Cheverly, MD 20781

UST Status: Not reported **AST Status:** Not reported

Federally Regulated: Yes

Tank Number: Tank Capacity: 10000 Tank Contents: **GASOLINE**

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

Tank Type: UST

Direction Distance Elevation

ce EDR ID Number on Site Database(s) EPA ID Number

PEPSI COLA BOTTLING OF WASHINGTON DC (Continued)

U003678169

 Fac Id:
 3000222

 Own Id:
 35035

 Tank Number:
 1

Install Date: 28-JAN-1981
Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3000222

 Own Id:
 35035

 Tank Number:
 1

Install Date: 28-JAN-1981
Tank Status: PERM OUT OF USE

Tank Release Detection: Leak Deferred Tank Release Detection: Manual Gauge Ν Ν Tank Release Detection: Autogauge Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν

Tank Release Detection: Other Method
Tank Release Detection: Other Note
Pipe Release Detection: Leak Deferred
Not reported

Pipe Release Detection: Autoleak N
Pipe Release Detection: Line Tightness N
Pipe Release Detection: Stat Invent Recon N
Pipe Release Detection: Groundwater N
Pipe Release Det: Int Secondary Containment N
Pipe Release Det: Interior Double Walled N
Pipe Release Detection: Other Method N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3000222

 Own Id:
 35035

 Tank Number:
 1

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

PEPSI COLA BOTTLING OF WASHINGTON DC (Continued)

U003678169

Install Date: 28-JAN-1981
Tank Status: PERM OUT OF USE
Pipe Type: UNKNOWN

Pipe Materials: Bare Steel Y
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect Y

Pipe Materials: Cath Protect Y
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N
Pipe Materials: Repaired N
Pipe Materials: Unknown N
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

O73 OAKVILLE INDUSTRIAL PARK - BUILDING 4 TANK 7

VA UST U003680299 N/A

West 405 MURRAY AVE BLDG 4 1/8-1/4 ALEXANDRIA, VA 22301

0.243 mi. 1284 ft. Site 6 of 6 in cluster O

Relative: UST: Higher Facility:

 Actual:
 Facility Id:
 3012559

 47 ft.
 Facility Type:
 UNKNOWN

 CEDS Facility ID:
 200000075884

Owner:

Facility Id: 3012559 Owner Id: 32048

Owner Name: G&E OAKVILLE CORPORATION
Owner Address: 1090 VERMONT AVENUE; SUITE 800

Owner Address2: Not reported

Owner City, State, Zip: WASHINGTON, DC 20005

UST Status: Not reported AST Status: Not reported

Federally Regulated: Yes

Tank Number: R1
Tank Capacity: 2000
Tank Contents: DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3012559

 Own Id:
 32048

 Tank Number:
 R1

Install Date: 01-JAN-1952
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Y
Tank Materials: Cath Protect Steel N
Tank Materials: Epoxy Steel N
Tank Materials: Fiberglass N
Tank Materials: Concrete N

Direction Distance Elevation

n Site Database(s) EPA ID Number

OAKVILLE INDUSTRIAL PARK - BUILDING 4 TANK 7 (Continued)

U003680299

EDR ID Number

Tank Materials: Composite Ν Ν Tank Materials: Double Walled Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3012559

 Own Id:
 32048

 Tank Number:
 R1

Install Date: 01-JAN-1952
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak
N
Pipe Release Detection: Line Tightness
N
Pipe Release Detection: Stat Invent Recon
N
Pipe Release Detection: Groundwater
N
Pipe Release Det: Int Secondary Containment
N
Pipe Release Det: Interior Double Walled
N
Pipe Release Detection: Other Method
N

Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3012559

 Own Id:
 32048

 Tank Number:
 R1

Install Date: 01-JAN-1952
Tank Status: REM FROM GRD
Pipe Type: PRESSURE

Pipe Materials: Bare Steel Y
Pipe Materials: Galvanized Steel N
Pipe Materials: Copper N
Pipe Materials: Fiberglass N
Pipe Materials: Cath Protect N
Pipe Materials: Double Walled N
Pipe Materials: Secondary Containment N

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

OAKVILLE INDUSTRIAL PARK - BUILDING 4 TANK 7 (Continued)

U003680299

Pipe Materials: Repaired Ν Ν Pipe Materials: Unknown Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

R74 **COMMARCO IBS** RCRA-NonGen 1000696627 West **447 CALVERT LANE FINDS** VAD988215869

ALEXANDRIA, VA 22301 1/8-1/4

0.245 mi.

1291 ft. Site 1 of 2 in cluster R

RCRA-NonGen: Relative:

Date form received by agency: 04/27/1992 Higher **COMMARCO IBS** Facility name: Actual: Facility address: 447 CALVERT LANE 42 ft. ALEXANDRIA, VA 22301

EPA ID: VAD988215869

WASHINGTON NATIONAL AIRPORT Mailing address:

WASHINGTON, DC 20001

DAVID DENHOLM Contact:

Contact address: WASHINGTON NATIONAL AIRPORT

WASHINGTON, DC 20001

Contact country: US

(703) 836-2174 Contact telephone: Not reported Contact email:

EPA Region: 03

Land type: Other land type Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

G AND E OAKVILLE CORPORATION Owner/operator name:

Owner/operator address: OAKVILLE INDUSTRIAL PARK

ALEXANDRIA, VA 22301

Owner/operator country: Not reported (703) 883-8013 Owner/operator telephone: Legal status: Private

Owner/Operator Type: Owner Owner/Op start date: 01/01/0001 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: Nο Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

COMMARCO IBS (Continued)

1000696627

EDR ID Number

Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D018
Waste name: BENZENE

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 12/08/2003

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 07/01/2003

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

FINDS:

Registry ID: 110005251949

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Direction Distance

Elevation Site Database(s) EPA ID Number

R75 BEATRICE DAIRY PRODUCTS INC VA UST U003678318
West 400 CALVERT AVE N/A

1/8-1/4 ALEXANDRIA, VA 22301

0.247 mi.

1304 ft. Site 2 of 2 in cluster R

Relative: UST: Higher Facility:

 Actual:
 Facility Id:
 3001308

 42 ft.
 Facility Type:
 COMMERCIAL

 CEDS Facility ID:
 200000090229

Owner:

Facility Id: 3001308 Owner Id: 27087

Owner Name: BEATRICE DAIRY PRODUCTS, INC

Yes

Owner Address: 400 CALVERT AVENUE

Owner Address2: Not reported

Owner City, State, Zip: ALEXANDRIA, VA 22301

UST Status: Not reported AST Status: Not reported

Federally Regulated:

Tank Number: 1
Tank Capacity: 10000
Tank Contents: DIESEL

Tank Status: PERM OUT OF USE

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3001308

 Own Id:
 27087

Tank Number: 1

Install Date: 26-FEB-1979
Tank Status: PERM OUT OF USE

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Υ Tank Materials: Double Walled Ν Tank Materials: Lined Interior Υ Tank Materials: Excav Liner Ν

Tank Materials: Insulated Tank Jacket N
Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3001308

 Own Id:
 27087

 Tank Number:
 1

Install Date: 26-FEB-1979
Tank Status: PERM OUT OF USE

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

BEATRICE DAIRY PRODUCTS INC (Continued)

U003678318

Tank Release Detection: Leak Deferred Ν Ν Tank Release Detection: Manual Gauge Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Ν Pipe Release Det: Int Secondary Containment Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST Fac Id: 3001308 Own Id: 27087 Tank Number:

26-FEB-1979 Install Date: PERM OUT OF USE Tank Status:

Pipe Type: **UNKNOWN**

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Υ Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Ν Pipe Materials: Secondary Containment Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

S76 VIRGINIA PUBLIC WORKS YARD NW 31ST AND EADS STREETS

1/8-1/4 ARLINGTON, VA 0

0.249 mi.

Relative:

1314 ft. Site 1 of 2 in cluster S

LUST REG NO: Region: NO Lower

Facility ID: 3024676 Actual: Status: Closed 28 ft. Tank Size:

Product: Not reported S103771599

N/A

VA LUST

VA LTANKS

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

VIRGINIA PUBLIC WORKS YARD (Continued)

S103771599

Release Date: 07/05/1990 9/9/1994 Closed Date: Case Type: Article 9 Case Officer: Lewis E. Hilder Pollution Complaint #: 91-0023 Permit Number: 0

LTANKS:

Priority:

Region: **NVRO** CEDS Facility Id: 200000073687 Case Status: Closed Pollution Complaint #: 19910023 Reported: 05-JUL-1990

S77 ARLINGTON COUNTY REFUSE TRANSFER STATION VA UST U003967102 NW 500 31ST ST S N/A

1/8-1/4 ARLINGTON, VA 22202

0.249 mi.

1314 ft. Site 2 of 2 in cluster S

UST: Relative: Lower Facility:

Facility Id: 3008676 Actual: Facility Type: LOCAL 28 ft.

CEDS Facility ID: 200000073687

Owner:

Facility Id: 3008676 Owner Id: 35192

Owner Name: Arlington County Board Owner Address: 2100 Clarendon Blvd Not reported Owner Address2:

Owner City, State, Zip: Arlington, VA 22201 UST Status: Reg **AST Status:** Not reported

Federally Regulated: Yes

Tank Number: 61 Tank Capacity: 4000 Tank Contents: DIESEL

Tank Status: **REM FROM GRD**

Tank Type: UST

Tank Material:

UST Tank Type: Fac Id: 3008676 35192 Own Id: Tank Number: 61

Install Date: Not reported REM FROM GRD Tank Status:

Tank Materials: Bare Steel Υ Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν

Direction Distance Elevation

Site Database(s) **EPA ID Number**

ARLINGTON COUNTY REFUSE TRANSFER STATION (Continued)

U003967102

EDR ID Number

Tank Materials: Double Walled Ν Ν Tank Materials: Lined Interior Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν Tank Materials: Unknown Ν Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

UST Tank Type: Fac Id: 3008676 Own Id: 35192 Tank Number: 61

Install Date: Not reported REM FROM GRD Tank Status:

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater N Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν

Not reported Tank Release Detection: Other Note Pipe Release Detection: Leak Deferred Not reported

Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Ν

Pipe Release Det: Int Secondary Containment Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method Ν Pipe Release Detection: Other Note

Not reported

Pipe Material:

Tank Type: UST Fac Id: 3008676 35192 Own Id: Tank Number: 61

Install Date: Not reported Tank Status: REM FROM GRD UNKNOWN Pipe Type:

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν

Direction Distance Elevation

nce EDR ID Number tition Site Database(s) EPA ID Number

ARLINGTON COUNTY REFUSE TRANSFER STATION (Continued)

U003967102

Pipe Materials: Unknown Y
Pipe Materials: Other N

Pipe Materials: Other Note Not reported

Tank Number: 62
Tank Capacity: 4000
Tank Contents: DIESEL

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

 Tank Type:
 UST

 Fac Id:
 3008676

 Own Id:
 35192

 Tank Number:
 62

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Materials: Bare Steel Ν Tank Materials: Cath Protect Steel Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Tank Materials: Excav Liner Ν Tank Materials: Insulated Tank Jacket Ν Tank Materials: Repaired Ν

Tank Materials: Repaired N
Tank Materials: Unknown N
Tank Materials: Other N

Tank Materials: Other Note Not reported

Release:

 Tank Type:
 UST

 Fac Id:
 3008676

 Own Id:
 35192

 Tank Number:
 62

Install Date: Not reported
Tank Status: REM FROM GRD

Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Tank Release Detection: Tank Tightness Ν Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method

Tank Release Detection: Other Note

Not reported

Pipe Release Detection: Leak Deferred

Not reported

Pipe Release Detection: Autoleak N

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ARLINGTON COUNTY REFUSE TRANSFER STATION (Continued)

U003967102

Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν Pipe Release Detection: Other Method

Pipe Release Detection: Other Note Not reported

Pipe Material:

Tank Type: UST 3008676 Fac Id: Own Id: 35192 Tank Number: 62

Install Date: Not reported Tank Status: **REM FROM GRD** UNKNOWN Pipe Type:

Pipe Materials: Bare Steel Ν Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Ν Pipe Materials: Repaired Pipe Materials: Unknown Υ Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

T78 **NATIONAL CAR RENTAL** 117 EAST REED AVENUE West

1/4-1/2 0.256 mi.

1352 ft. Site 1 of 2 in cluster T

ALEXANDRIA, VA 0

LUST REG NO: Relative: Lower Region:

3025228 Facility ID: Actual: Status: Closed 14 ft. Tank Size:

> Product: Not reported 10/03/1991 Release Date: 8/23/1994 Closed Date: Article 9 Case Type:

> > Case Officer: Thomas R. Lancaster, P.G.

NO

Pollution Complaint #: 92-0626 Permit Number: 0 Priority:

TC3295254.2s Page 302

VA LUST \$103458322

N/A

Direction Distance

Elevation Site Database(s) **EPA ID Number**

T79 NATIONAL CAR RENTAL VA LTANKS U003682237 West 117 E REED AVE **VA UST** N/A

1/4-1/2 ALEXANDRIA, VA 22305 0.256 mi.

1352 ft. Site 2 of 2 in cluster T

LTANKS: Relative:

NVRO Lower Region:

CEDS Facility Id: 200000087085 Actual: Case Status: Closed 14 ft.

Pollution Complaint #: 19920626 Reported: 03-OCT-1991

UST:

Facility:

Facility Id: 3025228 Facility Type: COMMERCIAL CEDS Facility ID: 200000087085

Owner:

Facility Id: 3025228 Owner Id: 29424

Owner Name: ATLANTIC FOOD SERVICE 13000 LIVINGSTON ROAD Owner Address: PRINCE WILLIAM

Owner Address2: Owner City, State, Zip: MANASSAS, VA 22110

UST Status: Not reported **AST Status:** Not reported

Federally Regulated: Yes

Tank Number: 1 Tank Capacity: 500 **USED OIL** Tank Contents: **REM FROM GRD** Tank Status:

UST Tank Type:

Tank Material:

Tank Type: UST Fac Id: 3025228 Own Id: 29424 Tank Number:

Install Date: 01-JAN-1965 Tank Status: **REM FROM GRD**

Tank Materials: Bare Steel Tank Materials: Cath Protect Steel Ν Tank Materials: Epoxy Steel Ν Tank Materials: Fiberglass Ν Tank Materials: Concrete Ν Tank Materials: Composite Ν Tank Materials: Double Walled Ν Tank Materials: Lined Interior Ν Ν Tank Materials: Excav Liner

Tank Materials: Insulated Tank Jacket Ν Ν Tank Materials: Repaired Tank Materials: Unknown Ν Tank Materials: Other Ν

Tank Materials: Other Note Not reported **EDR ID Number**

Direction Distance

Elevation Site Database(s) EPA ID Number

NATIONAL CAR RENTAL (Continued)

U003682237

EDR ID Number

Release: UST Tank Type: 3025228 Fac Id: Own Id: 29424 Tank Number: 01-JAN-1965 Install Date: Tank Status: **REM FROM GRD** Tank Release Detection: Leak Deferred Ν Tank Release Detection: Manual Gauge Ν Tank Release Detection: Autogauge Ν Ν Tank Release Detection: Tank Tightness Tank Release Detection: Vapor Monitor Ν Tank Release Detection: Inventory Ν Tank Release Detection: Stat Invent Recon Ν Tank Release Detection: Spill Install Ν Tank Release Detection: Overfill Install Ν Tank Release Detection: Groundwater Ν Tank Release Det: Int Secondary Containment Ν Tank Release Detection: Int Double Walled Ν Tank Release Detection: Other Method Ν Tank Release Detection: Other Note Not reported Pipe Release Detection: Leak Deferred Not reported Pipe Release Detection: Autoleak Pipe Release Detection: Line Tightness Ν Pipe Release Detection: Stat Invent Recon Ν Pipe Release Detection: Groundwater Ν Pipe Release Det: Int Secondary Containment Ν Pipe Release Det: Interior Double Walled Ν

Pipe Release Detection: Other Method N
Pipe Release Detection: Other Note Not reported

Pipe Material:

 Tank Type:
 UST

 Fac Id:
 3025228

 Own Id:
 29424

 Tank Number:
 1

Install Date: 01-JAN-1965
Tank Status: REM FROM GRD
Pipe Type: GRAVITY

Pipe Materials: Bare Steel Υ Pipe Materials: Galvanized Steel Ν Pipe Materials: Copper Ν Pipe Materials: Fiberglass Ν Pipe Materials: Cath Protect Ν Pipe Materials: Double Walled Ν Pipe Materials: Secondary Containment Ν Pipe Materials: Repaired Ν Pipe Materials: Unknown Ν Pipe Materials: Other Ν

Pipe Materials: Other Note Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

U80 DWYER PROPERTY VA LTANKS S105463286 N/A

West 416 E RAYMOND AVE 1/4-1/2 ALEXANDRIA, VA 22301

0.281 mi.

1482 ft. Site 1 of 2 in cluster U

LTANKS: Relative:

NVRO Higher Region:

CEDS Facility Id: 200000199098 Actual: Case Status: Closed 38 ft. Pollution Complaint #: 19920271 Reported: 08-AUG-1991

U81 **DWYER PROPERTY** VA LUST \$103458283

416 EAST RAYMOND AVENUE West

1/4-1/2 ALEXANDRIA, VA 0

0.281 mi.

1482 ft. Site 2 of 2 in cluster U

LUST REG NO: Relative: Higher Region:

NO Facility ID: 3026834 Actual: Closed Status: 38 ft. Tank Size:

Not reported Product: 08/08/1991 Release Date: 12/8/1994 Closed Date: Article 11 Case Type: Case Officer: Bill Von Till Pollution Complaint #: 92-0271 Permit Number: 0 Priority:

82 **1ST CHOICE BODY SHOP** VA LTANKS \$106531933

WNW 525 31ST ST S 1/4-1/2 ARLINGTON, VA 22202

0.285 mi.

1506 ft.

LTANKS: Relative:

NVRO Higher Region: CEDS Facility Id: 200000216460

Actual: Case Status: Closed 44 ft. Pollution Complaint #: 20053030 21-JUL-2004 Reported:

83 **AES OF WASHINGTON, INC.** VA LUST S103459802 West **300 SWANN AVENUE VA LTANKS** N/A

1/4-1/2 ALEXANDRIA, VA 22301 0.304 mi.

1607 ft.

LUST REG NO: Relative:

Region: NO Higher 3008579 Facility ID: Actual: Status: Closed

41 ft. Tank Size: Not reported N/A

N/A

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AES OF WASHINGTON, INC. (Continued)

S103459802

Product: diesel fuel 09/12/1997 Release Date: Closed Date: 2/10/1998 Case Type: Article 9 Case Officer: Lewis E. Hilder Pollution Complaint #: 98-3550 Permit Number: Not reported

Priority:

LTANKS:

NVRO Region: CEDS Facility Id: 200000194564 Case Status: Closed Pollution Complaint #: 19983550 Reported: 12-SEP-1997

S105983001 84 **ALAMO RENT-A-CAR VA LUST**

NNW **2780 JEFFERSON DAVIS HIGHWAY VA LTANKS** N/A

1/4-1/2 ARLINGTON, VA 0 **VA SPILLS**

0.331 mi. **VA FINANCIAL ASSURANCE** 1747 ft.

LUST REG NO: Relative: Region:

NO Lower Facility ID: 3012557 Actual: Status: Closed

29 ft. Tank Size:

> Product: Not reported 04/04/1990 Release Date: Closed Date: 11/8/1993 Case Type: Article 9

Case Officer: Thomas R. Lancaster, P.G.

Pollution Complaint #: 90-1320 0 Permit Number: Priority: 1

LTANKS:

NVRO Region: CEDS Facility Id: 200000193418 Case Status: Closed Pollution Complaint #: 19901320 Reported: 04-APR-1990

SPILLS NO:

Region: NO ld: 165

Incident Summary: Not reported Date In: Not reported Date Closed: Not reported Pollution Type: CAR WASH WASTE

Responsible Party: Not reported CLOSED **Facility Status:** Owner: Not reported Facility Contact: **GARY LISSAK** Facility Permitted: Not reported Facility Telephone: 703-683-5372

Map ID MAP FINDINGS
Direction

Distance Elevation Site

te Database(s) EPA ID Number

ALAMO RENT-A-CAR (Continued)

S105983001

EDR ID Number

Time In: Not reported C. KENNEDY Reported By Name: Reported By Telephone: Not reported Reported By Affiliation/Addr: Not reported Incident Response IR #: Not reported Responsible Party Name: Not reported Responsible Party Address: Not reported Responsible Party City: Not reported Responsible Party Zip: Not reported Responsible Party Contact: Not reported Responsible Party Telephone: Not reported Owner Name: Not reported Owner Address: Not reported Owner City: Not reported Owner State: Not reported Owner Zip: Not reported Owner Contact: Not reported Owner Telephone: Not reported Incident Date: Not reported Incident Time: Not reported Petroleum: Not reported Solid Waste: Not reported Hazardous Waste: Not reported Water: Not reported Air: Not reported Sewage: Not reported Fish Kill: Not reported Threat Wetlands: Not reported Wetlands: Not reported Not reported Material Released: Possible Receptors: Not reported Quantity Released: Not reported Unit Released: Not reported Quantity In Water: Not reported Receiving Waters: Not reported River Basin: 1A Inspection Date: Not reported Call Date: Not reported Inspector: Not reported Response Due: Not reported Response Received Date: Not reported Visit Needed: Not reported Open: Not reported Air Referral Date: Not reported Air Reg/ Permit Number: Not reported Waste Referral Date: Not reported Epa Id Or Permit Number: Not reported Water Referral Date: Not reported Water Permit Number: Not reported Remediation Referral Date: Not reported Remediation Pc Number: Not reported **Enforcement Referral Date:** Not reported Nov Number: Not reported Pc Number: Not reported Receive By: Not reported Not reported Case Officer:

Not reported

Case Type:

Direction
Distance

Elevation Site Database(s) EPA ID Number

ALAMO RENT-A-CAR (Continued)

S105983001

EDR ID Number

VDOT Street Address: Not reported Polllutant: Impact: Not reported Spill Time: Not reported Spill Date: Not reported Spill Volume: Not reported Measure: Not reported Volume In Water: Not reported Stream Name: FOUR MILE RUN Investigation Date: Not reported Closure Date: Not reported Not reported Lab Results: Not reported Target Date: Prep Number: 89-0830 1/23/1989 Report Date: Report Time: 1435

Pollutant Scr: ENTERING FOUR MILE RUN

Volume: -1 Volume Esc: -1

Remarks: CAR WASH WASTE FROM ALAMO CW ENTERING FOUR MILE RUN. SITE VISIT

CONDUCTED. NOV ISSUED. DISCHARGE REROUTED TO THE SANITARY LINE. DISCHARGE CONTAINED DETERGENTS AND DEGREASING COMPOUNDS.

Future Recommendations: SITE VISIT CONDUCTED NOV ISSUED

Stream Code: FOU Visit Date: 1/25/

1/25/1989 Lab Date: Not reported 6/24/1991 File Close Date: Prep Copy: Not reported **ARLINGTON** City: Not reported Incident Summary: Reported: Not reported Results: Not reported Inspection Comments: Not reported

VA FINANCIAL ASSURANCE:

Facility ID: 3012557 FRP Financial Assurance: Full

Owner Name: Alamo Rent A Car

ROF Own Id: 32483 Tank Type: UST Mechanism: Insurance Gallonage: Not reported Per Occurence: 1,000,000 Third Party: 1,000,000 Annual Aggregate: 2,000,000 In Compliance: Not reported

Total Capacity: 0

CEDS Facility Name: Alamo Rent A Car 230 CEDS Facility Id: 200000193418

Tank Type Count: 4

Location: South Park Bldg Rte 1

Facility ID: 3012557 FRP Financial Assurance: Full

Owner Name: Alamo Rent A Car

ROF Own Id: 41806 Tank Type: UST

Direction Distance

Elevation Site Database(s) EPA ID Number

ALAMO RENT-A-CAR (Continued)

S105983001

S105987430

N/A

VA LTANKS

VA AIRS

EDR ID Number

Mechanism: Insurance
Gallonage: Not reported
Per Occurence: \$1,000,000
Third Party: \$1,000,000
Annual Aggregate: \$6,000,000
In Compliance: Not reported

Total Capacity: 0

CEDS Facility Name: Alamo Rent A Car 230 CEDS Facility Id: 200000193418

Tank Type Count:

Location: South Park Bldg Rte 1

85 ARLINGTON POTW
West 3401 S GLEBE RD
1/4-1/2 ARLINGTON, VA 22201

0.349 mi. 1841 ft.

Relative: LTANKS: Lower Region

Region: NVRO

Actual: CEDS Facility Id: 200000093378

Case Status: Closed
Pollution Complaint #: 19973086

Reported: 18-NOV-1996

Region: NVRO

 CEDS Facility Id:
 200000093378

 Case Status:
 Closed

 Pollution Complaint #:
 19953883

 Reported:
 25-JAN-1995

Region: NVRO

 CEDS Facility Id:
 200000093378

 Case Status:
 Closed

 Pollution Complaint #:
 19953759

 Reported:
 24-OCT-1994

Region: NVRO

 CEDS Facility Id:
 200000093378

 Case Status:
 Closed

 Pollution Complaint #:
 19963092

 Reported:
 05-JAN-1996

Region: NVRO

 CEDS Facility Id:
 200000093378

 Case Status:
 Closed

 Pollution Complaint #:
 19963036

 Reported:
 12-SEP-1995

Region: NVRO

 CEDS Facility Id:
 200000093378

 Case Status:
 Closed

 Pollution Complaint #:
 19840514

 Reported:
 28-APR-1984

Region: NVRO

CEDS Facility Id: 200000093378

Case Status: Closed

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

ARLINGTON POTW (Continued)

S105987430

Pollution Complaint #: 19830548 Reported: 28-MAR-1983

Region: NVRO

 CEDS Facility Id:
 200000093378

 Case Status:
 Closed

 Pollution Complaint #:
 19870355

 Reported:
 21-NOV-1986

Region: NVRO

CEDS Facility Id: 200000093378

Case Status: Closed

Pollution Complaint #: 19860653

Reported: 13-APR-1986

AIRS:

Region: NVRO
Region Number: 70026
Contact First Name: Larry
Contact Last Name: Slattery
Contact Phone: 7032286822
Lat Deg/Min/Sec Lon Deg/Min/Sec: 38 50 39 / -77 3 16
Mailing Address: 2100 Clarendon Blvd

Mailing City:ArlingtonMailing State:VAMailing Zip Code:22201Program Type:NSRPermit Type:MINORIssued Date:10/30/2009

86 CITY OF ALEXANDRIA SSW 1505 POWHATAN STREET 1/4-1/2 ALEXANDRIA, VA 0

0.353 mi. 1862 ft.

Relative: LUST REG NO:

Higher Region: NO

Facility ID: 3901036

Actual: Status: Closed

47 ft. Tank Size: 0

Product: Not reported
Release Date: 07/18/1991
Closed Date: 10/31/1995
Case Type: Not reported
Case Officer: Bill Von Till
Pollution Complaint #: 92-0113
Permit Number: 0
Priority: -

VA LUST S103915661

N/A

Direction Distance

Elevation Site Database(s) **EPA ID Number**

87 **HYATT HOTEL**

2799 JEFFERSON DAVIS HIGHWAY NNW

1/4-1/2 ARLINGTON, VA

0.356 mi. 1879 ft.

Actual:

26 ft.

LTANKS: Relative:

NVRO Lower Region:

CEDS Facility Id: 200000197455 Case Status: Closed

Pollution Complaint #: 20013073 Reported: 09-OCT-2000

SPILLS NO:

NO Region:

Not reported Incident Summary: Not reported 10/9/2000 Date In: Date Closed: Not reported Pollution Type: Not reported Responsible Party: Not reported Facility Status: Not reported Not reported Owner: Facility Contact: Not reported

Facility Permitted:

Facility Telephone: Not reported 1:24:00 PM Time In: Reported By Name: Robert Wilson Reported By Telephone: 7039048300 Reported By Affiliation/Addr: Tyree Organization Incident Response IR #: 2001-N-0254 Responsible Party Name: Not reported Responsible Party Address: Not reported Responsible Party City: Not reported Responsible Party Zip: Not reported Responsible Party Contact: Not reported Responsible Party Telephone: Not reported Owner Name: Not reported Owner Address: Not reported Owner City: Not reported Owner State: Not reported Owner Zip: Not reported Owner Contact: Not reported Owner Telephone: Not reported Incident Date: 10/9/2000

Not reported Petroleum: -1 Solid Waste: 0 Hazardous Waste: 0 0 Water: 0 Air: Sewage: 0 Fish Kill: 0 Threat Wetlands: 0 Wetlands:

Incident Time:

Material Released: diesel fuel (#2 red)

Possible Receptors: storm drain, gw, garage dewatering sumps

Quantity Released: Unit Released: gallons **EDR ID Number**

S104181616

N/A

VA LTANKS

VA SPILLS

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

HYATT HOTEL (Continued)

Quantity In Water: -1
Receiving Waters: GW

River Basin: 1A Potomac Inspection Date: Not reported Call Date: 10/11/2000

Inspector: SA

Response Due: Not reported Response Received Date: Not reported

Visit Needed: 0
Open: 0

Air Referral Date: Not reported Air Reg/ Permit Number: Not reported Waste Referral Date: Not reported Epa Id Or Permit Number: Not reported Water Referral Date: Not reported Water Permit Number: Not reported 10/12/2000 Remediation Referral Date: PC01-Remediation Pc Number: **Enforcement Referral Date:** Not reported Nov Number: Not reported Pc Number: Not reported Receive By: Not reported Case Officer: Not reported Case Type: Not reported Street Address: Not reported Polllutant: Not reported Impact: Not reported Spill Time: Not reported Spill Date: Not reported Not reported Spill Volume: Measure: Not reported Volume In Water: Not reported Stream Name: Not reported Investigation Date: Not reported Closure Date: Not reported Not reported Lab Results: Not reported Target Date: Prep Number: Not reported Report Date: Not reported Report Time: Not reported Pollutant Scr: Not reported Volume: Not reported Volume Esc: Not reported Not reported Remarks: Future Recommendations: Not reported Stream Code: Not reported Visit Date: Not reported Lab Date: Not reported

Incident Summary: Tank release - fuel pip fell on AST causing release. Unsure if release

Not reported Not reported

Not reported

occurred 10/0700 and 10/08/00

Reported: Not reported Results: Not reported

File Close Date:

Prep Copy: City:

Inspection Comments: Ron Linton called Mr. Wilson 10/9 - left msg. Had no response as of

10:30 10/10. 10/12 transfer to remediation Soe Aung case manager

EDR ID Number

S104181616

Direction Distance

Elevation Site Database(s) **EPA ID Number**

88 **501 SLATERS LANE VA LTANKS** S106539841 SE **501 SLATERS LANE VA SPILLS** N/A ALEXANDRIA, VA

1/4-1/2 0.379 mi. 2000 ft.

LTANKS: Relative:

NVRO Lower Region:

CEDS Facility Id: 200000076683 Case Status: Closed

Actual: 26 ft. Pollution Complaint #: 20033108 Reported: 06-DEC-2002

SPILLS NO:

NO Region:

Not reported Incident Summary: Not reported 8/12/2004 Date In: Date Closed: 8/12/2004 Pollution Type: Not reported Responsible Party: Not reported Facility Status: Not reported Owner: Not reported Facility Contact: Not reported

Facility Permitted:

Facility Telephone: Not reported 12:14:00 PM Time In: Reported By Name: Mike Dunn Reported By Telephone: 7039268545 Reported By Affiliation/Addr: Alexandria Hazmat Incident Response IR #: 2005-N-0124 Responsible Party Name: Not reported Responsible Party Address: Not reported Responsible Party City: Not reported Responsible Party Zip: Not reported Responsible Party Contact: Not reported Responsible Party Telephone: Not reported Owner Name: Not reported Owner Address: Not reported Owner City: Not reported Owner State: Not reported Owner Zip: Not reported Owner Contact: Not reported Owner Telephone: Not reported Incident Date: 8/12/2004

10:00:00 AM

Petroleum: 0 Solid Waste: 0 Hazardous Waste: 0 0 Water: Air: -1 Sewage: 0 Fish Kill: 0 Threat Wetlands: 0 Wetlands:

Incident Time:

Material Released: Cleaning solvent

Possible Receptors: Air Quantity Released: Unk

Not reported Unit Released:

EDR ID Number

Map ID MAP FINDINGS
Direction

Distance Elevation Site

Database(s) EPA ID Number

501 SLATERS LANE (Continued)

S106539841

EDR ID Number

Quantity In Water: Not reported Receiving Waters: Not reported River Basin: Not reported Inspection Date: Not reported Call Date: Not reported Inspector: Not reported Response Due: Not reported Response Received Date: Not reported

Visit Needed: 0
Open: 0

Air Referral Date: Not reported Air Reg/ Permit Number: Not reported Waste Referral Date: Not reported Epa Id Or Permit Number: Not reported Water Referral Date: Not reported Water Permit Number: Not reported Not reported Remediation Referral Date: Remediation Pc Number: Not reported **Enforcement Referral Date:** Not reported Nov Number: Not reported Pc Number: Not reported Receive By: Not reported Case Officer: Not reported Case Type: Not reported Street Address: Not reported Polllutant: Not reported Impact: Not reported Spill Time: Not reported Spill Date: Not reported Not reported Spill Volume: Measure: Not reported Volume In Water: Not reported Stream Name: Not reported Investigation Date: Not reported Closure Date: Not reported Not reported Lab Results: Not reported Target Date: Prep Number: Not reported Report Date: Not reported Report Time: Not reported Pollutant Scr: Not reported Not reported Volume: Volume Esc: Not reported Not reported Remarks: Future Recommendations: Not reported Stream Code: Not reported Visit Date: Not reported Lab Date: Not reported File Close Date: Not reported

Incident Summary: Workers were removing floor tiles from apt in high rise. They had shut

Not reported

Not reported

doors and left windows open. Wind blew fumes back in and several neighbors complained of fumes. EMS and FD responded. Apt was ventilated. Neighbors refused to be taken to hospital for observation. FD left scene. Fire Marshal and bldg mgmt will investigate further.

Reported: Not reported

Prep Copy: City:

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

501 SLATERS LANE (Continued) S106539841

Results: Not reported Inspection Comments: Not reported

89 GULLOTT CHRISTIAN AND KRISTEN RESIDENCE VA LTANKS \$108247619

West 2405 LESLIE AVE N/A

1/4-1/2 ALEXANDRIA, VA 22301

0.384 mi. 2029 ft.

Relative: LTANKS:

Higher Region: NVRO

CEDS Facility Id: 200000225506

Actual: Case Status: Closed

47 ft. Pollution Complaint #: 20073097

Reported: 16-NOV-2006

90 CORA B KELLY SCHOOL VA LTANKS S105989543

West 3600 COMMONWEALTH AVE

1/4-1/2 ALEXANDRIA, VA 22305 0.431 mi.

2278 ft.

Relative: LTANKS:

Lower Region: NVRO

Actual: CEDS Facility Id: 200000079216

Case Status: Closed
Pollution Complaint #: 19901567
Reported: 10-MAY-1990

V91 VIRGINIA POWER PROPERTY VA LTANKS \$105463232

SW 501 E MONROE AVE 1/4-1/2 ALEXANDRIA, VA 22301

0.437 mi.

2305 ft. Site 1 of 2 in cluster V

Relative: LTANKS:

 Higher
 Region:
 NVRO

 CEDS Facility Id:
 200000186250

Actual: Case Status: Closed
51 ft. Pollution Complaint #: 20003219
Reported: 22-DEC-1999

V92 VIRGINIA POWER PROPERTY VA LUST S104407633 SW 501 EAST MONROE AVENUE N/A

1/4-1/2 ALEXANDRIA, VA 22301

0.437 mi.

2305 ft. Site 2 of 2 in cluster V

Relative: LUST REG NO:

 Higher
 Region:
 NO

 Facility ID:
 3901048

 Actual:
 Status:
 Closed

 51 ft.
 Tank Size:
 550

TC3295254.2s Page 315

N/A

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

VIRGINIA POWER PROPERTY (Continued)

Release Date: 12/22/1999
Closed Date: 2/3/2000
Case Type: Article 9

Case Officer: Thomas R. Lancaster, P.G.

waste oil

Pollution Complaint #: 00-3219
Permit Number: Not reported
Priority: Not reported

93 COWLEY CHRIS PROPERTY VA LTANKS \$109236607

93 COWLEY CHRIS PROPERTY
South 703 BASHFORD LN
1/4-1/2 ALEXANDRIA, VA 22314

0.487 mi. 2573 ft.

Relative: LTANKS:

Lower Region: NVRO

Product:

CEDS Facility Id: 200000849797

Actual: Case Status: Closed

30 ft. Pollution Complaint #: 20093025

Reported: 21-AUG-2008

TC3295254.2s Page 316

EDR ID Number

S104407633

N/A

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FREDERICKSBURG	1000398535	UNITED TRANSMISSIONS INC	789 JEFF DAVIS HWY	22405	RCRA-SQG,FINDS
CARROLLTON	1000350505	GOODWIN JUNKYARD SITE	RT 659 & KINGS COVE RD BOX 98		CERCLIS,RCRA-NLR,FINDS
					, ,
POTOMAC RIVER	1003866592	CHERRY HILL LANDFILL	ST RTE 783		CERCLIS-NFRAP
ALEXANDRIA	1004609788	US GEORGE WASHINGTON MEM PARKWAY	MARINA DR		FINDS,RCRA-CESQG
ALEXANDRIA	1004789940	AUTO BENZ BODY SHOP	3700 JEFF DAVIS HIGHWAY	22305	FINDS,RCRA-CESQG,MANIFEST
ALEXANDRIA	1006931719	OAKVILLE INDUSTRIAL PARK	SWANN AVENUE	22301	RCRA-SQG
ALEXANDRIA	1007992526	FIRE STATION	3301 DUKE STREET	22314	FINDS
ALEXANDRIA	1011626680	POTOMAC RIVER GENERATING STATION	1400 NORTH ROYAL STREET POTOM	22314	ICIS
ALEXANDRIA	1012066999	USA CAMERON STATION	USA CAMERON STATION		FEDERAL FACILITY
ALEXANDRIA	1014910275	POTOMAC RIVER	1400 ROYAL ST	22314	FINDS
ALEXANDRIA	2005626380	BRADDOCK RD AND KING ST STATION	BRADDOCK RD AND KING ST STATIO		ERNS
ALEXANDRIA	2005633236	ON THE POTOMAC RIVER	ON THE POTOMAC RIVER		ERNS
ALEXANDRIA	2008878183	POTOMAC RIVER	POTOMAC RIVER		ERNS
ALEXANDRIA	2008889003	POTOMAC RIVER	POTOMAC RIVER		ERNS
ALEXANDRIA	91201208	32165 JEFFERSON DAVIS HWY CROWN CE	32165 JEFFERSON DAVIS HWY CROW		ERNS
ARLINGTON	S105463124	RFP YARD	400 BLK OLD JEFFERSON DAVIS HW	22202	LTANKS
WINSLOW TWP	S108064353	7 ROUTE 73 SOUTH	7 RTE 73 S	22202	VCP
ALEXANDRIA	S108928826	POTOMAC TRANSMISSION	3600 JEFF DAVIS HWY.,		SPILLS WC
ARLINGTON	S108929552	GW MEMORIAL PARKWAY MAINT. YARD	MAINTENEACE YARD OFF GW PKWY,	22202	SPILLS WC
ALEXANDRIA	U003698565	CROWN VA 007	3216 JEFFERSON DAVIS HWY	22301	UST

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/07/2011 Source: EPA
Date Data Arrived at EDR: 10/12/2011 Telephone: N/A

Number of Days to Update: 141 Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/07/2011 Source: EPA
Date Data Arrived at EDR: 10/12/2011 Telephone: N/A

Number of Days to Update: 141 Next Scheduled EDR Contact: 04/23/2012
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/07/2011 Date Data Arrived at EDR: 10/12/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 141

Source: EPA Telephone: N/A

Last EDR Contact: 03/15/2012

Next Scheduled EDR Contact: 04/23/2012 Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/27/2011 Date Data Arrived at EDR: 02/27/2012 Date Made Active in Reports: 03/12/2012

Number of Days to Update: 14

Source: EPA Telephone: 703-412-9810 Last EDR Contact: 02/27/2012

Next Scheduled EDR Contact: 06/11/2012 Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010 Date Data Arrived at EDR: 01/11/2011 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 01/13/2012

Next Scheduled EDR Contact: 04/23/2012 Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/28/2011 Date Data Arrived at EDR: 02/27/2012 Date Made Active in Reports: 03/12/2012

Number of Days to Update: 14

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 02/27/2012

Next Scheduled EDR Contact: 06/11/2012 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011 Date Data Arrived at EDR: 08/31/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 132

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 02/13/2012

Next Scheduled EDR Contact: 05/28/2012 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 01/05/2012

Next Scheduled EDR Contact: 04/16/2012 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/10/2011 Date Data Arrived at EDR: 01/05/2012 Date Made Active in Reports: 03/12/2012

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 01/05/2012

Next Scheduled EDR Contact: 04/16/2012 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/10/2011 Date Data Arrived at EDR: 01/05/2012 Date Made Active in Reports: 03/12/2012

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 01/05/2012

Next Scheduled EDR Contact: 04/16/2012 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/10/2011 Date Data Arrived at EDR: 01/05/2012 Date Made Active in Reports: 03/12/2012

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 01/05/2012

Next Scheduled EDR Contact: 04/16/2012 Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/30/2011 Date Data Arrived at EDR: 12/30/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 03/12/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/30/2011 Date Data Arrived at EDR: 12/30/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 11

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 03/12/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System, ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 10/03/2011 Date Data Arrived at EDR: 10/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 38

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 04/03/2012

Next Scheduled EDR Contact: 07/16/2012 Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

VA SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: Department of Environmental Quality

Telephone: 804-698-4236 Last EDR Contact: 03/26/2012

Next Scheduled EDR Contact: 07/09/2012

Data Release Frequency: N/A

DC SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: Department of Health Telephone: 202-535-2500 Last EDR Contact: 02/27/2012

Next Scheduled EDR Contact: 06/11/2012

Data Release Frequency: N/A

State and tribal landfill and/or solid waste disposal site lists

VA SWF/LF: Solid Waste Management Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/14/2011 Date Data Arrived at EDR: 09/16/2011 Date Made Active in Reports: 10/14/2011

Number of Days to Update: 28

Source: Department of Environmental Quality

Telephone: 804-698-4238 Last EDR Contact: 03/26/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Quarterly

DC SWF/LF: Solid Waste Facility Listing

The Solid Waste Disposal Division is responsible for disposing of the District's approximately 203,000 tons of municipal solid waste (trash). Since the District does not have landfills, collected waste is deposited at two solid waste transfer stations and then taken out of the city by contractor vehicles to a waste-to-energy plant and landfill in Virginia.

Date of Government Version: 11/18/2010 Date Data Arrived at EDR: 11/19/2010 Date Made Active in Reports: 12/10/2010

Number of Days to Update: 21

Source: Department of Public Works Telephone: 202-673-6833 Last EDR Contact: 01/23/2012

Next Scheduled EDR Contact: 05/07/2012 Data Release Frequency: No Update Planned

State and tribal leaking storage tank lists

VA LUST REG TD: Leaking Underground Storage Tank Sites

Leaking underground storage tank site locations. Includes: counties of Accomack, Isle of Wight, James City, Northampton, Southampton, York; cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, Williamsburg.

Date of Government Version: 12/31/2011 Date Data Arrived at EDR: 01/06/2012 Date Made Active in Reports: 01/31/2012

Number of Days to Update: 25

Source: Department of Environmental Quality Tidewater Regional Office

Telephone: 757-518-2198 Last EDR Contact: 03/19/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: Quarterly

VA LUST REG SC: Leaking Underground Storage Tanks

Leaking underground storage tank site locations. Includes: counties of Amherst, Appomattox, Buckingham, Campbell, Charlotte, Cumberland, Halifax, Lunenburg, Mecklenburg, Nottoway, Pittsylvania, Prince Deward; cities of Danville, Lynchburg.

Date of Government Version: 12/06/2011 Date Data Arrived at EDR: 12/08/2011 Date Made Active in Reports: 01/16/2012

Number of Days to Update: 39

Source: Department of Environmental Quality, South Central Region

Telephone: 434-582-5120 Last EDR Contact: 03/05/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: Semi-Annually

VA LUST REG WC: Leaking Underground Storage Tank List

Leaking underground storage tank site locations. Includes: counties of Alleghany, Bedford, Botetourt, Craig, Floyd, Franklin, Giles, Henry, Montgomery, Patrick, Pulaski, Roanoke; cities of Bedford, Clifton Forge, Covington, Martinsville, Radford, Roanoke, Salem.

Date of Government Version: 12/08/2011 Date Data Arrived at EDR: 12/08/2011 Date Made Active in Reports: 01/16/2012

Number of Days to Update: 39

Source: Department of Environmental Quality West Central Regional Office

Telephone: 540-562-6700 Last EDR Contact: 03/05/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: No Update Planned

VA LUST REG SW: Leaking Underground Storage Tank Database

Leaking underground storage tank site locations. Includes: counties of Bland, Buchanan, Carroll, Dickenson, Grayson, Lee, Russell, Scott, Smyth, Tazewell, Washington, Wise, Wythe; cities of Bristol, Galax, Norton.

Date of Government Version: 01/18/2012 Date Data Arrived at EDR: 01/19/2012 Date Made Active in Reports: 03/05/2012

Number of Days to Update: 46

Source: Department of Environmental Quality Southwest Regional Office

Telephone: 276-676-4800 Last EDR Contact: 01/16/2012

Next Scheduled EDR Contact: 04/30/2012 Data Release Frequency: No Update Planned

VA LUST REG VA: Leaking Underground Storage Tank List

Leaking underground storage tank site locations. Includes: counties of Albemarle, Augusta, Bath, Clarke, Fluvanna, Frederick, Greene, Highland, Nelson, Page, Rockbridge, Rockingham, Shenandoah, Warren; cities of Buena Vista, Charlottesville, Harrisonburg, Lexington, Staunton, Waynesboro, Winchester.

Date of Government Version: 12/06/2011 Date Data Arrived at EDR: 12/08/2011 Date Made Active in Reports: 01/16/2012

Number of Days to Update: 39

Source: Department of Environmental Quality Valley Regional Office

Telephone: 540-574-7800 Last EDR Contact: 03/05/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: No Update Planned

VA LUST REG NO: Leaking Underground Storage Tank Tracking Database

Leaking underground storage tank site locations. Includes: counties of Arlington, Caroline, Culpeper, Fairfax, Fauquier, King George, Loudoun, Louisa, Madison, Orange, Prince William, Rappahannock, Spotsylvania, Stafford; cities of Alexandria, Fairfax, Falls Church, Fredericksburg, Manassas, Manassas Park.

Date of Government Version: 05/18/2004 Date Data Arrived at EDR: 05/22/2004 Date Made Active in Reports: 07/09/2004

Number of Days to Update: 48

Source: Department of Environmental Quality Northern Regional Office

Telephone: 703-583-3800 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: No Update Planned

VA LUST REG PD: Leaking Underground Storage Tank Sites

Leaking underground storage tank site locaitons. Includes: counties of Amelia, Brunswick, Charles City, Chesterfield, Dinwiddie, Essex, Gloucester, Goochland, Greensville, Hanover, Henrico, King and Queen, King William, Lancaster, Mathews, Middlesex, New Kent, Northumberland, Powhatan, Prince George, Richmond, Surry, Sussex, Westmoreland; cities of Colonial Heights, Emporia, Hopewell, Petersburg.

Date of Government Version: 12/05/2011 Date Data Arrived at EDR: 12/07/2011 Date Made Active in Reports: 01/04/2012

Number of Days to Update: 28

Source: Department of Environmental Quality Piedmont Regional Office

Telephone: 804-527-5020 Last EDR Contact: 03/05/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: Quarterly

DC LUST: District of Columbia LUST Cases

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/01/2012 Date Data Arrived at EDR: 01/10/2012 Date Made Active in Reports: 02/14/2012

Number of Days to Update: 35

Source: Department of the Environment

Telephone: 202-442-5977 Last EDR Contact: 03/12/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Quarterly

VA LTANKS: Leaking Petroleum Storage Tanks

Includes releases of petroleum from underground storage tanks and aboveground storage tanks.

Date of Government Version: 12/01/2011 Date Data Arrived at EDR: 12/07/2011 Date Made Active in Reports: 01/16/2012

Number of Days to Update: 40

Source: Department of Environmental Quality

Telephone: 804-698-4010 Last EDR Contact: 03/08/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011 Date Data Arrived at EDR: 09/13/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 59

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011 Date Data Arrived at EDR: 12/15/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 26

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 12/05/2011 Date Data Arrived at EDR: 12/07/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 34

Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/02/2011 Date Data Arrived at EDR: 11/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 7

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 25

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/01/2011 Date Data Arrived at EDR: 11/21/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 50

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2011 Date Data Arrived at EDR: 11/01/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 10

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 02/03/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Varies

State and tribal registered storage tank lists

VA UST: Registered Petroleum Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 12/01/2011 Date Data Arrived at EDR: 12/07/2011 Date Made Active in Reports: 01/09/2012

Number of Days to Update: 33

Source: Department of Environmental Quality

Telephone: 804-527-5249 Last EDR Contact: 03/08/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: Semi-Annually

DC UST: Underground Storage Tank Database List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 01/01/2012 Date Data Arrived at EDR: 01/10/2012 Date Made Active in Reports: 02/14/2012

Number of Days to Update: 35

Source: Department of the Environment

Telephone: 202-442-5977 Last EDR Contact: 03/12/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Quarterly

VA AST: Registered Petroleum Storage Tanks Registered Aboveground Storage Tanks.

> Date of Government Version: 12/01/2011 Date Data Arrived at EDR: 12/07/2011 Date Made Active in Reports: 01/09/2012

Number of Days to Update: 33

Source: Department of Environmental Quality

Telephone: 804-698-4317 Last EDR Contact: 03/08/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: Semi-Annually

DC AST: List of Aboveground Storage Tanks Aboveground storage tank locations.

Date of Government Version: 01/01/2012 Date Data Arrived at EDR: 01/10/2012 Date Made Active in Reports: 02/14/2012

Number of Days to Update: 35

Source: Department of the Environment

Telephone: 202-727-7218 Last EDR Contact: 03/12/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: No Update Planned

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 34

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011 Date Data Arrived at EDR: 08/26/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 18

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011 Date Data Arrived at EDR: 12/15/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 26

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/28/2011 Date Data Arrived at EDR: 11/29/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 42

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 25

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/01/2011 Date Data Arrived at EDR: 11/21/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 50

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/02/2011 Date Data Arrived at EDR: 11/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 7

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011 Date Data Arrived at EDR: 11/01/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 10

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 02/03/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 01/16/2012

Next Scheduled EDR Contact: 04/30/2012 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

VA ENG CONTROLS: Engineering Controls Sites Listing

A listing of sites with Engineering Controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/20/2012 Date Data Arrived at EDR: 01/20/2012 Date Made Active in Reports: 03/05/2012

Number of Days to Update: 45

Source: Department of Environmental Quality

Telephone: 804-698-4228 Last EDR Contact: 04/02/2012

Next Scheduled EDR Contact: 07/16/2012 Data Release Frequency: Quarterly

VA INST CONTROL: Voluntary Remediation Program Database

Sites included in the Voluntary Remediation Program database that have deed restrictions.

Date of Government Version: 01/20/2012 Date Data Arrived at EDR: 01/20/2012 Date Made Active in Reports: 03/05/2012

Number of Days to Update: 45

Source: Department of Environmental Quality

Telephone: 804-698-4228 Last EDR Contact: 04/02/2012

Next Scheduled EDR Contact: 07/16/2012 Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

VA VRP: Voluntary Remediation Program

The Voluntary Cleanup Program encourages owners of elected contaminated sites to take the initiative and conduct voluntary cleanups that meet state environmental standards.

Date of Government Version: 01/20/2012 Date Data Arrived at EDR: 01/20/2012 Date Made Active in Reports: 03/05/2012

Number of Days to Update: 45

Source: Department of Environmental Quality

Telephone: 804-698-4228 Last EDR Contact: 04/02/2012

Next Scheduled EDR Contact: 07/16/2012 Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 08/04/2011 Date Data Arrived at EDR: 10/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 38

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 04/03/2012

Next Scheduled EDR Contact: 07/16/2012 Data Release Frequency: Varies

DC VCP: Voluntary Cleanup Program Sites

The Voluntary Cleanup Program oversees owner or developer initiated voluntary remediation of contaminated lands and buildings that return actual or potentially contaminated properties to productive uses.

Date of Government Version: 11/01/2011 Date Data Arrived at EDR: 03/13/2012 Date Made Active in Reports: 03/30/2012

Number of Days to Update: 17

Source: Department of the Environment

Telephone: 202-535-1337 Last EDR Contact: 03/12/2012

Next Scheduled EDR Contact: 06/11/2012

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

State and tribal Brownfields sites

VA BROWNFIELDS: Brownfields Site Specific Assessments

To qualify for Brownfields Assessment, the site must meet the Federal definition of a Brownfields and should have contaminant issues that need to be addressed and a redevelopment plan supported by the local government and community. Virginia's Department of Environmental Quality performs brownfields assessments under a cooperative agreement with the U.S. Environmental Protection Agency at no cost to communities, property owners or, prospective purchasers. The assessment is an evaluation of environmental impacts caused by previous site uses similar to a Phase II Environmental Assessment.

Date of Government Version: 01/31/2012 Date Data Arrived at EDR: 02/03/2012 Date Made Active in Reports: 03/05/2012

Number of Days to Update: 31

Source: Department of Environmental Quality

Telephone: 804-698-4207 Last EDR Contact: 01/31/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Varies

DC BROWNFIELDS: Brownfields Site Database
A listing of potential brownfields site locations.

Date of Government Version: 08/05/2011 Date Data Arrived at EDR: 10/14/2011 Date Made Active in Reports: 11/18/2011

Number of Days to Update: 35

Source: Department of the Environment

Telephone: 202-535-1337 Last EDR Contact: 03/26/2012

Next Scheduled EDR Contact: 07/09/2012 Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/27/2011 Date Data Arrived at EDR: 06/27/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 04/03/2012

Next Scheduled EDR Contact: 07/09/2012 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 03/26/2012

Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 02/06/2012

Next Scheduled EDR Contact: 05/21/2012 Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 10/07/2011 Date Data Arrived at EDR: 12/09/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 32

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/06/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 131

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011 Date Data Arrived at EDR: 09/16/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure

properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 04/03/2012

Next Scheduled EDR Contact: 06/04/2012 Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/04/2011 Date Data Arrived at EDR: 10/04/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 38

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 04/03/2012

Next Scheduled EDR Contact: 07/16/2012 Data Release Frequency: Annually

VA SPILLS SW: Reportable Spills

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 01/21/2010 Date Data Arrived at EDR: 01/22/2010 Date Made Active in Reports: 02/16/2010

Number of Days to Update: 25

Source: Department of Environmental Quality, Southwest Region

Telephone: 276-676-4839 Last EDR Contact: 01/16/2012

Next Scheduled EDR Contact: 04/30/2012 Data Release Frequency: No Update Planned

VA SPILLS PD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 10/20/2009 Date Data Arrived at EDR: 10/29/2009 Date Made Active in Reports: 12/03/2009

Number of Days to Update: 35

Source: Department of Environmental Quality, Piedmont Region

Telephone: 804-527-5020 Last EDR Contact: 02/06/2012

Next Scheduled EDR Contact: 05/21/2012 Data Release Frequency: Quarterly

VA SPILLS NO: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/23/2009 Date Data Arrived at EDR: 09/29/2009 Date Made Active in Reports: 10/30/2009

Number of Days to Update: 31

Source: Department of Environmental Quality, Northern Region

Telephone: 703-583-3864 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: No Update Planned

VA SPILLS WC: Prep Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/21/2009 Date Data Arrived at EDR: 09/29/2009 Date Made Active in Reports: 10/30/2009

Number of Days to Update: 31

Source: Department of Environmental Quality, West Central Region

Telephone: 540-562-6700 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

VA SPILLS TD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/17/2009 Date Data Arrived at EDR: 09/23/2009 Date Made Active in Reports: 10/06/2009

Number of Days to Update: 13

Source: Department of Environmental Quality, Tidewater Region

Telephone: 757-518-2177 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: Quarterly

VA PC-SPILLS: Pollution Complaint Database

Pollution Complaints Database. The pollution reports contained in the PC database include the initial release reporting of Leaking Underground Storage Tanks and all other releases of petroleum to the environment as well as releases to state waters. The database is current through 12/1/93. Since that time, all spill and pollution reporting information has been collected and tracked through the DEQ regional offices.

Date of Government Version: 06/01/1996 Date Data Arrived at EDR: 10/22/1996 Date Made Active in Reports: 11/21/1996

Number of Days to Update: 30

Source: Department of Environmental Quality

Telephone: 804-698-4287 Last EDR Contact: 03/08/2010

Next Scheduled EDR Contact: 06/21/2010
Data Release Frequency: No Update Planned

VA SPILLS VA: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/18/2009 Date Data Arrived at EDR: 09/23/2009 Date Made Active in Reports: 10/06/2009

Number of Days to Update: 13

Source: Department of Environmental Quality, Valley Regional Office

Telephone: 540-574-7800 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: Quarterly

VA SPILLS: Prep/Spills Database Listing

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment. PREP staff often work to assist local emergency responders, other state agencies, federal agencies, and responsible parties, as may be needed, to manage pollution incidents. Oil spills, fish kills, and hazardous materials spills are examples of incidents that may involve the DEQ's PREP Program.

Date of Government Version: 12/01/2011 Date Data Arrived at EDR: 12/07/2011 Date Made Active in Reports: 01/04/2012

Number of Days to Update: 28

Source: Department of Environmental Quality

Telephone: 804-698-4287 Last EDR Contact: 03/08/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: Varies

VA SPILLS BRL: Prep/Spills Database Listing

A listing of spills locations located in the Blue Ridge Regional area, Lynchburg.

Date of Government Version: 09/18/2009 Date Data Arrived at EDR: 09/18/2009 Date Made Active in Reports: 10/06/2009

Number of Days to Update: 18

Source: DEQ, Blue Ridge Regional Office

Telephone: 434-582-6218 Last EDR Contact: 11/28/2011

Next Scheduled EDR Contact: 03/12/2012 Data Release Frequency: Varies

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/10/2011 Date Data Arrived at EDR: 01/05/2012 Date Made Active in Reports: 03/12/2012

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 01/05/2012

Next Scheduled EDR Contact: 04/16/2012 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/29/2011 Date Data Arrived at EDR: 08/09/2011 Date Made Active in Reports: 11/11/2011

Number of Days to Update: 94

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 02/07/2012

Next Scheduled EDR Contact: 05/21/2012 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS Telephone: 888-275-8747

Last EDR Contact: 01/20/2012

Next Scheduled EDR Contact: 04/30/2012 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 08/12/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 112

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 03/12/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/01/2011 Date Data Arrived at EDR: 01/25/2012 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 36

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 04/02/2012

Next Scheduled EDR Contact: 07/16/2012 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/28/2011 Date Data Arrived at EDR: 12/14/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 27

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 03/14/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/07/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 02/28/2012

Next Scheduled EDR Contact: 06/11/2012 Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 09/08/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 03/07/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 09/01/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 131

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 02/28/2012

Next Scheduled EDR Contact: 06/11/2012 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 64

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 03/28/2012

Next Scheduled EDR Contact: 07/09/2012 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA,

TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 02/27/2012

Next Scheduled EDR Contact: 06/11/2012 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 02/27/2012

Next Scheduled EDR Contact: 06/11/2012 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 01/30/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011 Date Data Arrived at EDR: 11/10/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 03/26/2012

Next Scheduled EDR Contact: 07/09/2012 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010 Date Data Arrived at EDR: 11/10/2010 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 98

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/20/2012

Next Scheduled EDR Contact: 04/30/2012 Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011 Date Data Arrived at EDR: 07/15/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 60

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 03/12/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/10/2012 Date Data Arrived at EDR: 01/12/2012 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 49

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 01/12/2012

Next Scheduled EDR Contact: 04/23/2012 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011 Date Data Arrived at EDR: 12/13/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 79

Source: EPA

Telephone: (215) 814-5000 Last EDR Contact: 03/13/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 62

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 02/27/2012

Next Scheduled EDR Contact: 06/11/2012 Data Release Frequency: Biennially

VA DRYCLEANERS: Drycleaner List A listing of registered drycleaners.

> Date of Government Version: 11/23/2010 Date Data Arrived at EDR: 11/24/2010 Date Made Active in Reports: 12/09/2010

Number of Days to Update: 15

Source: Department of Environmental Quality

Telephone: 804-698-4407 Last EDR Contact: 03/26/2012

Next Scheduled EDR Contact: 07/09/2012 Data Release Frequency: Varies

VA ENFORCEMENT: Enforcement Actions Data A listing of enforcement actions.

> Date of Government Version: 12/15/2011 Date Data Arrived at EDR: 12/20/2011 Date Made Active in Reports: 01/31/2012

Number of Days to Update: 42

Source: Department of Environmental Quality

Telephone: 804-698-4031 Last EDR Contact: 03/12/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Varies

VA CEDS: Comprehensive Environmental Data System

Virginia Water Protection Permits, Virginia Pollution Discharge System (point discharge) permits and Virginia Pollution Abatement (no point discharge) permits.

Date of Government Version: 12/13/2011 Date Data Arrived at EDR: 12/14/2011 Date Made Active in Reports: 01/04/2012

Number of Days to Update: 21

Source: Department of Environmental Quality

Telephone: 804-698-4077 Last EDR Contact: 03/12/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Semi-Annually

VA AIRS: Permitted Airs Facility List

A listing of permitted Airs facilities. Date of Government Version: 12/08/2011

Date Data Arrived at EDR: 12/08/2011 Date Made Active in Reports: 01/16/2012

Number of Days to Update: 39

Source: Department of Environmental Quality

Telephone: 804-698-4000 Last EDR Contact: 03/05/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: Varies

VA TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 11/04/2011 Date Made Active in Reports: 11/30/2011

Number of Days to Update: 26

Source: Department of Environmental Quality

Telephone: 804-698-4159 Last EDR Contact: 03/26/2012

Next Scheduled EDR Contact: 07/09/2012 Data Release Frequency: Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 01/20/2012

Next Scheduled EDR Contact: 04/30/2012 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 02/06/2012

Next Scheduled EDR Contact: 05/07/2012 Data Release Frequency: Varies

VA COAL ASH: Coal Ash Disposal Sites

A listing of facilities with coal ash impoundments.

Date of Government Version: 07/29/2009 Date Data Arrived at EDR: 07/31/2009 Date Made Active in Reports: 08/21/2009

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: 804-698-4285 Last EDR Contact: 03/12/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Varies

VA FINANCIAL ASSURANCE: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the current of a regulated facility is unable or unwilling to pay.

if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/08/2011 Date Data Arrived at EDR: 12/08/2011 Date Made Active in Reports: 01/16/2012

Number of Days to Update: 39

Source: Department of Environmental Quality

Telephone: 804-698-4205 Last EDR Contact: 03/26/2012

Next Scheduled EDR Contact: 06/18/2012 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010 Date Data Arrived at EDR: 01/03/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 03/16/2012

Next Scheduled EDR Contact: 06/25/2012 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 02/03/2012

Next Scheduled EDR Contact: 05/14/2012 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 01/20/2012

Next Scheduled EDR Contact: 04/30/2012

Data Release Frequency: N/A

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 01/18/2012

Next Scheduled EDR Contact: 04/30/2012 Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/20/2012 Date Data Arrived at EDR: 02/20/2012 Date Made Active in Reports: 03/15/2012

Number of Days to Update: 24

Source: Department of Environmental Protection

Source: Department of Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 02/20/2012

Next Scheduled EDR Contact: 06/04/2012 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 07/20/2011 Date Made Active in Reports: 08/11/2011

Number of Days to Update: 22

Telephone: N/A Last EDR Contact: 01/20/2012

Next Scheduled EDR Contact: 04/30/2012 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 01/10/2012 Date Data Arrived at EDR: 02/09/2012 Date Made Active in Reports: 03/09/2012

Number of Days to Update: 29

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 02/09/2012

Next Scheduled EDR Contact: 05/21/2012 Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 01/26/2012 Date Made Active in Reports: 03/06/2012

Number of Days to Update: 40

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 01/23/2012

Next Scheduled EDR Contact: 05/07/2012 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 06/24/2011 Date Made Active in Reports: 06/30/2011

Number of Days to Update: 6

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 02/27/2012

Next Scheduled EDR Contact: 06/11/2012 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/15/2011

Number of Days to Update: 27

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/19/2012

Next Scheduled EDR Contact: 07/02/2012 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities Source: Department of Social Services

Telephone: 804-692-1900

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

POTOMAC YARD METRORAIL STATION EIS US ROUTE 1 JEFFERSON DAVIS HIGHWAY ALEXANDRIA, VA 22314

TARGET PROPERTY COORDINATES

Latitude (North): 38.8333 - 38° 49' 59.88" Longitude (West): 77.0475 - 77° 2' 51.00"

Universal Tranverse Mercator: Zone 18 UTM X (Meters): 322275.4 UTM Y (Meters): 4300062.0

Elevation: 32 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 38077-G1 ALEXANDRIA, VA

Most Recent Revision: 1994

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

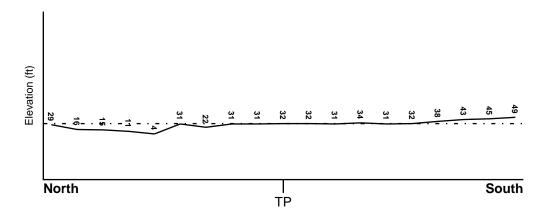
TOPOGRAPHIC INFORMATION

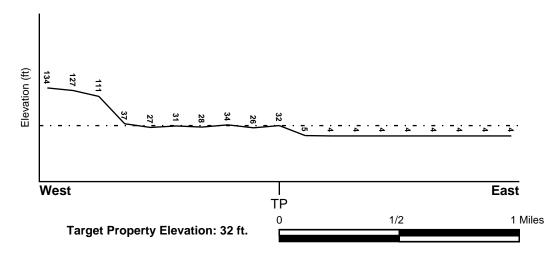
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood

Target Property County ALEXANDRIA CITY, VA Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

5155190005D - FEMA Q3 Flood data

Additional Panels in search area:

1100010025B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Electronic

NWI Quad at Target Property

Data Coverage

ALEXANDRIA

YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

 LOCATION
 GENERAL DIRECTION

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 GROUNDWATER FLOW

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era: Mesozoic Category: Stratified Sequence

System: Cretaceous Series: Lower Cretaceous

Code: IK (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: DUMFRIES
Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to

water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
Boundary			Classification				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	10 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
2	10 inches	29 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
3	29 inches	35 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
4	35 inches	72 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam

Surficial Soil Types: loam

Shallow Soil Types: loam

clay loam

Deeper Soil Types: stratified

sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE :	SEARCH DISTANCE (n	niles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	FROM TP
1	USGS2211554	0 - 1/8 Mile SSW
3	USGS2211563	1/2 - 1 Mile West
A4	USGS2211528	1/2 - 1 Mile South
A5	USGS2211529	1/2 - 1 Mile South
6	USGS2211582	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

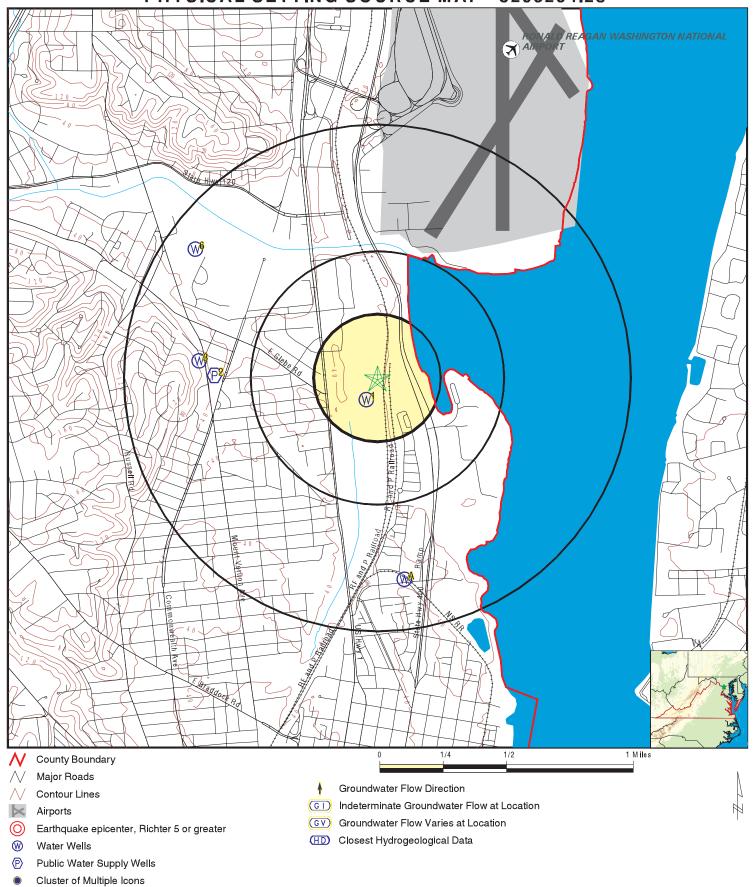
MAP ID	WELL ID	LOCATION FROM TP	
2	VA6510010	1/2 - 1 Mile West	

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3295254.2s



SITE NAME: Potomac Yard Metrorail Station EIS US Route 1 Jefferson Davis Highway Alexandria VA 22314 ADDRESS:

38.8333 / 77.0475 LAT/LONG:

CLIENT: AECOM CONTACT: Lance Comas INQUIRY #: 3295254.2s

DATE: April 03, 2012 4:23 pm

Map ID Direction Distance

Elevation Database EDR ID Number

1 SSW FED USGS USGS2211554 0 - 1/8 Mile

Lower

Agency cd: USGS Site no: 384955077025501

Site name: 54U 16E Latitude: 384955

EDR Site id: USGS2211554 Longitude: 0770255 Dec lat: 38.83205734 Dec Ion: -77.04831038 Coor meth: Μ Coor accr: S Latlong datum: NAD27 Dec latlong datum: NAD83 District: 51 51 County: 510 State:

Country: US Land net: Not Reported Location map: ALEXANDRIA Map scale: 24000

Altitude: 35.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 18

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: Middle PotomacAnacostiaOccoquan. District of Columbia, Maryland, Virginia. Area = 1280 sq.mi.

Topographic: Flat surface

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: 19901213 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 260 Hole depth: 303

Source of depth data: Not Reported Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Water quality data begin date: 0000-00-00
Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1961-02-15 Ground water data end date: 1961-02-15

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1961-02-15 20.00

Note: Other conditions existed that would affect the measured water level.

Higher

PWS ID: VA6510010

Date Initiated: Not Reported Date Deactivated: Not Reported

PWS Name: VA AMERICAN WATER CO-ALEX DIST

2223 DUKE ST

ALEXANDRIA, VA 22314

Addressee / Facility: System Owner/Responsible Party

VA AMERICAN WATER CO ALEX DIST 2223 DUKE STREET ALEXANDRIA, VA 22314

Facility Latitude: 38 48 30.0000 Facility Longitude: 77 4 0.0000 Facility Latitude: 38 50 0.0000 Facility Longitude: 77 3 35.0000

City Served: ALEXANDRIA CITY

Treatment Class: Treated Population: 111180

Violations information not reported.

ENFORCEMENT INFORMATION:

Truedate: 03/31/2009 Pwsid: VA6510010

Pwsname: ALEXANDRIA, CITY OF
Retpopsrvd: 135000 Pwstypecod: C

Vioid: 6004208 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Minor (TCR)

Complerbe: 9/1/2007 0:00:00

Complperen: 9/30/2007 0:00:00 Enfdate: 10/12/2007 0:00:00

Enf action: State Formal NOV Issued

Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: VA6510010

Pwsname: ALEXANDRIA, CITY OF

Retpopsrvd: 135000 Pwstypecod: C

Vioid: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Minor (TCR)

Complerbe: 9/1/2007 0:00:00

Complperen: 9/30/2007 0:00:00 Enfdate: 10/12/2007 0:00:00

Enf action: State Public Notif Requested

Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: VA6510010

Pwsname: ALEXANDRIA, CITY OF

Retpopsrvd: 135000 Pwstypecod: C

Vioid: 6004208 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Minor (TCR)

 Complperbe:
 9/1/2007 0:00:00

 Complperen:
 9/30/2007 0:00:00

 Enfdate:
 10/22/2008 0:00:00

Enf action: State Public Notif Received

Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: VA6510010

Pwsname: ALEXANDRIA, CITY OF

Retpopsrvd: 135000 Pwstypecod: C

Vioid: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Minor (TCR)

Complperbe: 9/1/2007 0:00:00

Compleren: 9/30/2007 0:00:00 Enfdate: 10/31/2007 0:00:00

Enf action: State Compliance Achieved

Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: VA6510010

Pwsname: ALEXANDRIA, CITY OF

 Retpopsrvd:
 135000
 Pwstypecod:
 C

 Vioid:
 6004308
 Contaminant:
 0999

Viol. Type: Monitoring and Reporting Stage 1

Complperbe: 7/1/2007 0:00:00

Compleren: 9/30/2007 0:00:00 Enfdate: 10/12/2007 0:00:00

Enf action: State Formal NOV Issued

Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: VA6510010

Pwsname: ALEXANDRIA, CITY OF

Retpopsrvd: 135000 Pwstypecod: C Vioid: 6004308 Contaminant: 0999

Viol. Type: Monitoring and Reporting Stage 1

Complperbe: 7/1/2007 0:00:00 Enfdate: 3/31/2008 0:00:00

Enf action: State Compliance Achieved

Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: VA6510010

Pwsname: ALEXANDRIA, CITY OF

Retpopsrvd: 135000 Pwstypecod: C Vioid: 6004308 Contaminant: 0999

Viol. Type: Monitoring and Reporting Stage 1

Complperbe: 7/1/2007 0:00:00

Complperen: 9/30/2007 0:00:00 Enfdate: 10/12/2007 0:00:00

Enf action: State Public Notif Requested

Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: VA6510010

Pwsname: ALEXANDRIA, CITY OF

Retpopsrvd: 135000 Pwstypecod: C

Vioid: 6004309 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Minor (TCR)

Complperbe: 6/1/2008 0:00:00

Compleren: 6/30/2008 0:00:00 Enfdate: 7/25/2008 0:00:00

Enf action: State Public Notif Requested

Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: VA6510010

Pwsname: ALEXANDRIA, CITY OF

Retpopsrvd: 135000 Pwstypecod: C

Vioid: 6004309 Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Minor (TCR)

Complperbe: 6/1/2008 0:00:00

Complperen: 6/30/2008 0:00:00 Enfdate: 7/25/2008 0:00:00

Enf action: State Formal NOV Issued

Violmeasur: Not Reported

Truedate: 03/31/2009 Pwsid: VA6510010

Pwsname: ALEXANDRIA, CITY OF

Retpopsrvd: 135000 Pwstypecod: C

Vioid: Contaminant: COLIFORM (TCR)

Viol. Type: Monitoring, Routine Minor (TCR)

Complerbe: 6/1/2008 0:00:00

Complperen: 6/30/2008 0:00:00 Enfdate: 7/31/2008 0:00:00

Enf action: State Compliance Achieved

Violmeasur: Not Reported

CONTACT INFORMATION:

ALEXANDRIA, CITY OF 135000 Name: Population: WALSH, BILL Phone: Not Reported Contact:

Address: 2223 DUKE STREET Address 2: **ALEXANDRIA**

VA, 22 703-7

West **FED USGS** USGS2211563 1/2 - 1 Mile

Higher

Agency cd: **USGS** Site no: 385003077033901

Site name: 54U 3B

Latitude: 385003 EDR Site id: USGS2211563 Longitude: 0770339 Dec lat: 38.8342795 Dec Ion: -77.06053296 Coor meth: М

Coor accr: S Latlong datum: NAD27 Dec latlong datum: NAD83 District: 51 State: 51 County: 510

Not Reported Country: US Land net: **ALEXANDRIA** 24000

Location map: Map scale:

Altitude: 60.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 30

National Geodetic Vertical Datum of 1929 Altitude datum:

Hydrologic: Middle PotomacAnacostiaOccoquan. District of Columbia, Maryland, Virginia. Area = 1280 sq.mi.

Topographic: Hillside (slope)

Site type: Ground-water other than Spring Date construction: Not Reported

19901213 Date inventoried: Mean greenwich time offset: **EST**

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

255 Well depth: 226 Hole depth:

Source of depth data: Not Reported Not Reported Project number:

Real time data flag: Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count:

Peak flow data begin date: 0000-00-00 0000-00-00 Peak flow data end date: Water quality data begin date: 0000-00-00 Peak flow data count:

Water quality data end date:0000-00-00 Water quality data count:

Ground water data begin date: 1963-02-01 Ground water data end date: 1963-02-01

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to Surface Sealevel Date

1963-02-01 55.44

Higher

South **FED USGS** USGS2211528 1/2 - 1 Mile

TC3295254.2s Page A-11

Agency cd: USGS Site no: 384918077024501

Site name: 54U 5E

 Latitude:
 384918
 EDR Site id:
 USGS2211528

 Longitude:
 0770245
 Dec lat:
 38.82177975

 Dec Ion:
 -77.04553251
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 51

 State:
 51
 County:
 510

Country: US Land net: Not Reported Location map: ALEXANDRIA Map scale: 24000

Altitude: 40.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: Middle PotomacAnacostiaOccoquan. District of Columbia, Maryland, Virginia. Area = 1280 sq.mi.

Topographic: Flat surface

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: 19901213 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 323 Hole depth: 347

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00
Peak flow data count: 0000-00-00
Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1963-02-01 Ground water data end date: 1963-02-01

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1963-02-01 36.14

Note: Other conditions existed that would affect the measured water level.

A5 South FED USGS USGS2211529 1/2 - 1 Mile

1/2 - 1 Mile Higher

Agency cd: USGS Site no: 384918077024502

Site name: 54U 33E Latitude: 384918

 Latitude:
 384918
 EDR Site id:
 USGS2211529

 Longitude:
 0770245
 Dec lat:
 38.82177975

 Dec lon:
 -77.04553251
 Coor meth:
 M

NAD27 Coor accr: S Latlong datum: Dec latlong datum: NAD83 District: 51 State: 51 County: 510 US Not Reported Country: Land net:

Location map: ALEXANDRIA Map scale: 24000

Altitude: 40.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: Middle PotomacAnacostiaOccoquan. District of Columbia, Maryland, Virginia. Area = 1280 sq.mi.

Topographic: Flat surface

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: 19901213 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 350 Hole depth: 392

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1947-07-17 Ground water data end date: 1947-07-17

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1947-07-17 280.00

6 NW FED USGS USGS2211582

1/2 - 1 Mile Lower

Agency cd: USGS Site no: 385026077034001

Site name: 54U 4B

EDR Site id: Latitude: 385026 USGS2211582 Longitude: 0770340 Dec lat: 38.84066828 Dec Ion: -77.06081075 Coor meth: М NAD27 Coor accr: S Latlong datum: Dec latlong datum: NAD83 District: 51 510 State: 51 County:

Country: US Land net: Not Reported Location map: ALEXANDRIA Map scale: 24000

Altitude: 15.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: Middle PotomacAnacostiaOccoquan. District of Columbia, Maryland, Virginia. Area = 1280 sq.mi.

Topographic: Flat surface

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: 19901213 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 138 Hole depth: 165

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count:

Water quality data end date:0000-00-00 Ground water data begin date: 1976-06-16

Ground water data count: 1

Water quality data begin date: 0000-00-00

Water quality data count:

Ground water data end date: 1976-06-16

Ground-water levels, Number of Measurements: 1

Feet below Feet to

Surface

Sealevel -----

1976-06-16 0.00

Date

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 22314

Number of sites tested: 549.

Maximum Radon Level: 40.8 pCi/L.

Minimum Radon Level: -0.1 pCi/L.

pCi/L pCi/L pCi/L pCi/L pCi/L pCi/L 4-10 10-20 20-50 50-100 >100 <4 515 (93.81%) 27 (4.92%) 5 (0.91%) 2 (0.36%) 0 (0.00%) 0 (0.00%)

Federal EPA Radon Zone for ALEXANDRIA CITY County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map. USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Virginia Public Water Supplies

Source: Department of Health, Office of Water Programs

Telephone: 804-786-1756

OTHER STATE DATABASE INFORMATION

Virginia Oil and Gas Wells

Source: Department of Mines, Minerals and Energy

Telephone: 804-692-3200

A listing of oil and gas well locations

RADON

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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10.9 JATOT

10/21/99 11:15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION III 1650 Arch Street Philadelphia, Pennsylvania 19103

Certified Mail
Return Receipt Requested

OCT 2 G 1999

Mr. Scott A. Slagley
Project Coordinator
Commonwealth Atlantic Properties, Inc.
4102 East Parham Road
Suite E
Richmond, VA 23228

Re:

Approval of Interim Final Report and

Completion of Response Activities, for Potomac Yard Site

Dear Scott:

Pursuant to Section XXVIII, Notice of Completion, of the Order, this letter serves as written notice that EPA concluded that the Respondent has demonstrated, to the satisfaction of EPA, that all work required by the Order has been satisfactorily completed.

If you have any questions, please contact me at (215)814-3287.

Sincerely,

Dan McGoldick, OSC

Removal Enforcement and Oil Section



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

James S. Gilmore, III Governor

John Paul Woodley, Jr. Secretary of Natural Resources Northern Virginia Regional Office
13901 Crown Court
Woodbridge, VA 22193-1453
(703) 583-3800 fax (703) 583-3801
http://www.deq.state,va.us
October 16, 2000

Dennis H. Treacy Director

Gregory L. Clayton Regional Director

Mr. Scott Slagley
Manager-Environmental Programs
Commonwealth Atlantic Properties, Inc.
4102 East Parham Road, Suite E
Richmond, Virginia 23228

RE: PC#91-1668; CASE CLOSED; RF&P Potomac Yard 2801 Jefferson Davis Highway, Alexandria

Dear Mr. Slagley:

Following a review of the referenced file and based upon the information you have submitted regarding current site conditions, the Department of Environmental Quality (DEQ) has determined that contamination levels at this site do not represent an identified risk to human health and the environment. Therefore, this case is closed. No further corrective action is required by you related to this release.

Please be advised, however, that should further environmental problems occur, which the DEQ determines are related to this release, the DEQ reserves the right pursuant to Virginia Law and Regulations to require additional investigation and/or corrective action.

Although no further corrective action is required related to this release, the following items may need to be addressed:

Any groundwater monitoring wells installed as a result of this release must be properly closed in accordance with Section 5.7 and Appendix C of the DEQ Storage Tank Program Technical Manual.

Any removed, closed-in-place, existing or new regulated underground storage tank (UST) must be registered with the DEQ. A UST Notification form (Form 7530-1) must be completed and sent to the DEQ Central Office in Richmond, Virginia. Completion of this form is not required if your tank(s) is currently registered and the registration is up-to-date. Certain types of tanks, such as tanks which contain heating oil that is used to heat the premises where the tank is located and tanks with a capacity of 1100 gallons or less which contain motor fuel for noncommercial purposes, are not required to be registered.

If you are eligible for and plan to seek reimbursement from the Virginia Petroleum Storage Tank Fund, you have two years from the date of this letter to apply for reimbursement. This includes reimbursement for costs to properly abandon monitoring wells.

If you have any questions or need additional information, please feel free to contact Jay Green at (703) 583-3812.

Sincerely,

Cynthia A. Sale

Environmental Administrator

Remediation

caseclos.doc

cc:

File

Chron

Earth Tech

APPENDIX G:

AECOM REPORT LOG

<u>Document Name</u>	<u>Author</u>	Document Date	Agency Repository	EPA Admin Record Document No.	<u>Date</u> <u>Obtained</u>	Project Document Control No.	<u>Comments</u>
SITE INVESTIGATION	Commonwealth of VA Dept of Waste Mgmt	2/28/1988	US EPA	257	4/4/2012	138	Commonweath of Virginia Site Assessment of Potomac Yards (VA-447).
PRELIMINARY ASSESSMENT	Commonwealth of VA Dept of Waste Mgmt	4/19/1988	US EPA	256	4/4/2012	137	Commonweath of Virginia Preliminary Assessment of Potomac Yards (VA-447).
SAMPLING AND ANALYSES PLAN	Hydrosystems, Inc.	9/28/1988	US EPA	255	4/4/2012	136	Sampling plan for areas throughout Rail Yard.
ENVIRONMENTAL ASSESSMENT REPORT	Hydrosystems, Inc.	2/6/1990	US EPA	254	4/4/2012	135	ENVIRONMENTAL ASSESSMENT REPORT NORTHERN PORTION OF POTOMAC YARD ALEXANDRIA, VIRGINIA FEBRUARY 6, 1990.
DRAFT ENVIRONMENTAL ASSESSMENT REPORT FOR SEVEN AREAS	N/A	8/19/1991	US EPA	253	4/4/2012	134	File corrupted and could not be viewed.
ASSESSMENT OF POTENTIAL LIABILITY POSED BY SURFACE AND SUBSURFACE CONTAMINATION AT SEVEN LOCATIONS	Environ, Inc.	8/27/1991	US EPA	252	4/4/2012	133	ENVIRON Corporation was retained by PaineWebber Incorporated to assess the potential environmental liability posed by surface and subsurface contamination at Potomac Yard.
SITE CHARACTERIZATION REPORT, SITE INVESTIGATION OF DIESEL FUEL CONTAMINATION (A COVER LETTER IS ATTACHED)	Hydrosystems, Inc.	11/22/1991	US EPA	251	4/4/2012	132	This report presents the results of an investigation of soil and groundwater contamination from a diesel fuel release at the RF&P Railroad's Potomac Yard.
RESPONSE TO INQUIRY ABOUT RELATIONSHIP BETWEEN RF&P RAILROAD, RF&P CORPORATION AND THE VIRGINIA RETIREMENT SYSTEM AS IT RELATES TO THE OWNERSHIP AND OPERATION OF THE SITE	RF&P	7/24/1992	US EPA	250	4/4/2012	131	RF&P corporate structure response to EPA.
CONTAMINATION INVESTIGATION PLAN	ETI, Inc.	7/28/1992	US EPA	248	4/4/2012	129	Contamination Investigation Plan.
ADMINISTRATIVE ORDER BY CONSENT	US EPA	7/28/1992	US EPA	249	4/4/2012	130	Docket NO.III-92-61-DC.
PUBLIC NOTICE: EPA ANNOUNCES THE AVAILABILITY OF THE ADMINISTRATIVE RECORD FOR THE POTOMAC YARD SITE	US EPA	11/12/1992	US EPA	247	4/4/2012	128	Newspaper notice for AOC.
COMMENTS ON ADMINISTRATIVE ORDER ON CONSENT (AOC) (ADDITIONAL COMMENTS ATTACHED)	US EPA	12/8/1992	US EPA	246	4/4/2012	127	Addresses the request and concerns raised by RF&P correspondence regarding the implementation of the Administrative Order on Consent.
WORK PLAN FOR SITE (COVER LETTER AND OTHER RELATED DOCUMENTS ATTACHED)	ETI, Inc.	12/23/1992	US EPA	245	4/4/2012	126	Revised Work Plan for Extent of Contamination Study of Potomac Rail Yard Site.
SITE PROGRESS REPORT #1 (COVER LETTER ATTACHED)	ETI, Inc.	5/6/1993	US EPA	244	4/4/2012	125	Review of meetings, report prep, free-product recovery, site maintenance. Information from progress reports are included in the ECS and other major reports.
COMMENTS ON WORK PLAN OF SITE	US EPA	5/8/1993	US EPA	243	4/4/2012	124	The information gathered from the Phase I Extent of Contamination Study ("ECS") will be used by EPA to perform a baseline risk assessment for the Site. Also, the results of the ECS will determine whether RF&P will be required to perform an engineering evaluation/cost analysis ("EE/CA") for the Site. However, obvious data gaps exist that will likely result in delay of performance of the risk assessment.
SITE PROGRESS REPORT #2 (COVER LETTER ATTACHED)	ETI, Inc.	5/19/1993	US EPA	242	4/4/2012	123	Review of meetings, report prep, free-product recovery, site maintenance. Information from progress reports are included in the ECS and other major reports.

<u>Document Name</u>	<u>Author</u>	Document Date	Agency Repository	EPA Admin Record Document No.	<u>Date</u> <u>Obtained</u>	<u>Project</u> <u>Document</u> Control No.	<u>Comments</u>
SITE PROGRESS REPORT #3 (COVER LETTER ATTACHED)	ETI, Inc.	6/3/1993	US EPA	241	4/4/2012	122	Review of meetings, report prep, free-product recovery, site maintenance. Information from progress reports are included in the ECS and other major reports.
WORK PLAN FOR NORTH MIDDLE & SOUTH PONDS AT POTOMAC GREENS (6/13/94 COVER LETTER ATTACHED)	ETI, Inc.	6/11/1993	US EPA	240	4/4/2012	121	Work Plan for Removal of North, Middle, and South Ponds at Potomac Greens, dated June 11, 1993 detailing cross-sections and proposed construction details and backfill components.
SITE PROGRESS REPORT #4 (COVER LETTER ATTACHED)	ETI, Inc.	6/16/1993	US EPA	239	4/4/2012	120	Review of meetings, report prep, free-product recovery, site maintenance and pond removal workplan completed. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #5 (COVER LETTER ATTACHED)	ETI, Inc.	6/30/1993	US EPA	238	4/4/2012	119	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #6 (COVER LETTER ATTACHED)	ETI, Inc.	7/14/1993	US EPA	237	4/4/2012	118	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #7 (COVER LETTER ATTACHED)	ETI, Inc.	7/16/1993	US EPA	236	4/4/2012	117	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #8 (COVER LETTER ATTACHED)	ETI, Inc.	8/12/1993	US EPA	235	4/4/2012	116	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #9 (COVER LETTER ATTACHED)	ETI, Inc.	8/25/1993	US EPA	234	4/4/2012	115	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #10 (COVER LETTER ATTACHED)	ETI, Inc.	9/8/1993	US EPA	233	4/4/2012	114	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #11 (COVER LETTER ATTACHED)	ETI, Inc.	9/22/1993	US EPA	232	4/4/2012	113	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #12 (COVER LETTER ATTACHED)	ETI, Inc.	10/6/1993	US EPA	231	4/4/2012	112	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #13 (COVER LETTER ATTACHED)	ETI, Inc.	10/21/1993	US EPA	230	4/4/2012	111	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #14 (COVER LETTER ATTACHED)	ETI, Inc.	11/3/1993	US EPA	229	4/4/2012	110	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #15 (COVER LETTER ATTACHED)	ETI, Inc.	11/17/1993	US EPA	228	4/4/2012	109	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #16 (COVER LETTER ATTACHED)	ETI, Inc.	12/1/1993	US EPA	227	4/4/2012	108	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
FREE PRODUCT REPORT (DATA TABLES ATTACHED)	ETI, Inc.	12/6/1993	US EPA	226	4/4/2012	107	Free Product Gauging and Recovery Report.

<u>Document Name</u>	<u>Author</u>	Document Date	Agency Repository	EPA Admin Record Document No.	<u>Date</u> <u>Obtained</u>	<u>Project</u> <u>Document</u> Control No.	<u>Comments</u>
SITE PROGRESS REPORT #17 (COVER LETTER ATTACHED)	ETI, Inc.	12/15/1993	US EPA	225	4/4/2012	106	Review of meetings, report prep, free-product recovery, site maintenance and pond removal activities. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #18 (COVER LETTER ATTACHED)	ETI, Inc.	12/29/1993	US EPA	224	4/4/2012	105	Review of meetings, report prep, free-product recovery, site maintenance and pond removal sampling. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #19 (COVER LETTER ATTACHED)	ETI, Inc.	1/12/1994	US EPA	223	4/4/2012	104	Information from progress reports are included in the ECS and other major reports.
AMENDMENT TO ADMINISTRATIVE ORDER BY CONSENT (AOC)	US EPA	1/24/1994	US EPA	222	4/4/2012	103	Ammendment to Docket No. III-92-61-DC.
SITE PROGRESS REPORT #20 (COVER LETTER ATTACHED)	ETI, Inc.	1/26/1994	US EPA	221	4/4/2012	102	Review of meetings, report prep, free-product recovery and site maintenance. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #21 (COVER LETTER ATTACHED)	ETI, Inc.	2/9/1994	US EPA	220	4/4/2012	101	Review of meetings, report prep, free-product recovery and site maintenance. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #22 (COVER LETTER ATTACHED)	ETI, Inc.	3/11/1994	US EPA	219	4/4/2012	100	Review of meetings, report prep, free-product recovery and site maintenance. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #23 (COVER LETTER ATTACHED)	ETI, Inc.	4/13/1994	US EPA	218	4/4/2012	99	Review of meetings, report prep, free-product recovery and site maintenance. Information from progress reports are included in the ECS and other major reports.
COMMENTS ON WORK PLAN ADDENDUM	US EPA	4/22/1994	US EPA	217	4/4/2012	98	This letter provides additional comments on the Work Plan Addendum as previously specified in EPA's letter to RF&P Corporation, dated March 31, 1994.
COMMENTS ON WORK PLAN ADDENDUM	US EPA	4/29/1994	US EPA	216	4/4/2012	97	This letter provides additional comments on the Work Plan Addendum as previously specified in EPA's letter to RF&P Corporation, dated March 31, 1994.
SITE PROGRESS REPORT #24 (COVER LETTER ATTACHED)	ETI, Inc.	5/12/1994	US EPA	215	4/4/2012	96	Review of meetings, report prep, free-product recovery and site maintenance. Information from progress reports are included in the ECS and other major reports.
COMMENTS ON SAMPLING PLAN	US EPA	5/17/1994	US EPA	214	4/4/2012	95	"In response to the Respondent's decision to perform sampling activities at the site prior to EPA review of the Workplan Addendum, EPA intends to oversee the sample collection activities and collect split samples."
REQUEST FOR APPROVAL FOR WATER DISCHARGE TO ALEXANDRIA SEWER SYSTEM	ETI, Inc.	5/26/1994	US EPA	213	4/4/2012	94	Request to Alexandria Sanitation Authority for approval to discharge approximately 250 gallons of ground water to the Alexandria sanitary sewer. The water was purge water which was collected from wells during the week of March 21, 1994.
RESPONSE TO COMMENTS ON WORK PLAN (AMMENDUM: WORK PLAN ATTACHED)	ETI, Inc.	5/31/1994	US EPA	212	4/4/2012	93	Response to EPA Comments to the WORK PLAN FOR EXTENT OF CONTAMINATION STUDY OF THE POTOMAC YARD SITE Addendum: Sampling Plan for Potomac Greens and North/South Tail Areas, and Area A-1 Data Gaps dated May 19, 1994.
DISAPPROVAL OF PRP SAMPLING PLAN	US EPA	5/31/1994	US EPA	211	4/4/2012	92	EPA's disapproval of the Work Plan Addendum ("Plan") submitted to EPA on behalf of RF&P Corporation by letter dated February 2, 1994.

<u>Document Name</u>	<u>Author</u>	Document Date	Agency Repository	EPA Admin Record Document No.	<u>Date</u> Obtained	Project Document Control No.	<u>Comments</u>
SITE PROGRESS REPORT #25 (COVER LETTER ATTACHED)	ETI, Inc.	6/14/1994	US EPA	210	4/4/2012	91	Review of meetings, report prep, free-product recovery and site maintenance. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #26 (COVER LETTER ATTACHED)	ETI, Inc.	6/30/1994	US EPA	209	4/4/2012	90	Review of meetings, report prep, free-product recovery and site maintenance. Information from progress reports are included in the ECS and other major reports.
DISAPPROVAL OF REVISED WORK PLAN ADDENDUM (RELATED DOCUMENTS ATTACHED)	US EPA	7/8/1994	US EPA	208	4/4/2012	89	EPA's disapproval of the revised Work Plan Addendum ("Plan") submitted to EPA on behalf of RF&P Corporation by letter dated May 19, 1994.
SITE PROGRESS REPORT #27 (COVER LETTER ATTACHED)	ETI, Inc.	8/12/1994	US EPA	207	4/4/2012	88	Review of meetings, report prep, free-product recovery and site maintenance. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #28 (COVER LETTER ATTACHED)	ETI, Inc.	9/13/1994	US EPA	206	4/4/2012	87	Review of meetings, report prep, free-product recovery and site maintenance. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #29 (COVER LETTER ATTACHED)	ETI, Inc.	9/30/1994	US EPA	205	4/4/2012	86	Review of meetings, report prep, free-product recovery and site maintenance. Information from progress reports are included in the ECS and other major reports.
DEFICIENCIES OF SECOND REVISIONS OF WORK PLAN (ECOLOGICAL RISK ASSESSMENT ATTACHED)	US EPA	10/25/1994	US EPA	204	4/4/2012	85	EPA comments to second revision of the Potomac Yard Extent of Contamination Study Work Plan Addendum.
COMMENTS ON WORK PLAN ADDENDUM	The Weinberg Group, Inc.	11/1/1994	US EPA	203	4/4/2012	84	RF&P Railroad Company proposal to evaluate ecological exposures on a samplc-point-specific basis for each potential ecological exposure point, rather than calculating a chemical- and mediumspecific average concentration for the entire site.
COMMENTS ON WORK PLAN ADDENDUM (TABLE ATTACHED)	US EPA	11/7/1994	US EPA	202	4/4/2012	83	Requests clarification from EPA of certain modifications to the Extent of Contamination Study Work Plan Addendum presented in your letter of October 25, 1994.
COMMENTS ON RISK ASSESSMENT	US EPA	11/9/1994	US EPA	201	4/4/2012	82	EPA expresses its concerns regarding potential risk assessment deviations from their guidelines.
RESPONSE TO ADDITIONAL SAMPLING	US EPA	11/10/1994	US EPA	200	4/4/2012	81	Details the need and rationale for additional soil and groundwater samples.
SITE PROGRESS REPORT #30 (COVER LETTER ATTACHED)	ETI, Inc.	11/13/1994	US EPA	199	4/4/2012	80	Review of meetings, report prep, and free-product recovery. Information from progress reports are included in the ECS and other major reports.
COMMENTS ON REQUIRED DOCUMENTS FOR WORK PLAN ADDENDUM (RELATED DOCUMENTS ATTACHED)	ETI, Inc.	11/23/1994	US EPA	198	4/4/2012	79	Submittals Required Pursuant to EPA October 25,1994 Letter modifying Potomac Yard Site ECS Work Plan Addendum.
SITE PROGRESS REPORT #31 (COVER LETTER ATTACHED)	ETI, Inc.	12/13/1994	US EPA	197	4/4/2012	78	Review of meetings, report prep, and free-product recovery and details of issues with sheens in drainage pipes into Potomac Greens. Information from progress reports are included in the ECS and other major reports.
SITE PROGRESS REPORT #32 (COVER LETTER ATTACHED)	ETI, Inc.	1/13/1995	US EPA	196	4/4/2012	77	Review of meetings, report prep, and free-product recovery. Information from progress reports are included in the ECS and other major reports.
ECS FIGURE 2-3 SITE DRAINAGE AREAS, TOPOGRAPHY AND APPOX LOCATIONS OF STORM SEWER LINES	ETI, Inc.	1/16/1995	VDEQ	N/A	4/23/2012	140	ECS Map figure. Plate was too large and not available online.

<u>Document Name</u>	<u>Author</u>	<u>Document Date</u>	Agency Repository	EPA Admin Record Document No.	<u>Date</u> Obtained	Project Document Control No.	<u>Comments</u>
ECS FIGURE 2-4 CROSS SECTION LOCATIONS	ETI, Inc.	1/16/1995	VDEQ	N/A	4/23/2012	141	ECS Map figure. Plate was too large and not available online.
ECS FIGURE 2-5 HYDROGEOLOGIC CROSS SECTIONS A-A' & B-B'	ETI, Inc.	1/16/1995	VDEQ	N/A	4/23/2012	142	ECS Map figure. Plate was too large and not available online.
ECS FIGURE 2-6 HYDROGEOLOGIC CROSS SECTIONSC-C' & D-D'	ETI, Inc.	1/16/1995	VDEQ	N/A	4/23/2012	143	ECS Map figure. Plate was too large and not available online.
ECS FIGURE 2-7 HYDROGEOLOGIC CROSS SECTIONS E-E' & F-F'	ETI, Inc.	1/16/1995	VDEQ	N/A	4/23/2012	144	ECS Map figure. Plate was too large and not available online.
ECS FIGURE 2-8 FLOW NET	ETI, Inc.	1/16/1995	VDEQ	N/A	4/23/2012	145	ECS Map figure. Plate was too large and not available online.
ECS FIGURE 2-9 ECOLOGICAL HABITATS	ETI, Inc.	1/16/1995	VDEQ	N/A	4/23/2012	146	ECS Map figure. Plate was too large and not available online.
ECS FIGURE 3-1 FORMER SITE CONDITIONS	ETI, Inc.	1/16/1995	VDEQ	N/A	4/23/2012	147	ECS Map figure. Plate was too large and not available online.
ECS FIGURE 5-1 SAMPLING GRID AND ECS SAMPLE LOCATIONS	ETI, Inc.	1/16/1995	VDEQ	N/A	4/23/2012	148	ECS Map figure. Plate was too large and not available online.
ECS FIGURE 5-X	ETI, Inc.	1/16/1995	VDEQ	N/A	4/23/2012	149	ECS Map figure. Plate was too large and not available online. Continuation of Figure 5-1.
COMMENTS ON ECOLOGICAL RISK ASSESSMENT	US EPA	1/27/1995	US EPA	195	4/4/2012	76	EPA comments to revised map plates and additional documents to the Potomac Yard Extent of Contamination Study Work Plan Addendum ("Plan") submitted to EPA on behalf of RF&P Corporation by letter dated November 23, 1994.
SITE PROGRESS REPORT #33 (COVER LETTER ATTACHED)	ETI, Inc.	2/13/1995	US EPA	194	4/4/2012	75	Review of meetings and free-product recovery. Information from progress reports are included in the ECS and other major reports.
COMMENTS ON EXTENT OF CONTAMINATION STUDY	RF&P	2/17/1995	US EPA	193	4/4/2012	74	Comments included in final report.
ECS FIGURE 2-2 SIGNIFICANT HISTORICAL BUILDINGS RELATED TO RAIL YARD OPERATIONS	ETI, Inc.	2/19/1995	VDEQ	N/A	4/23/2012	139	ECS Map figure. Plate was too large and not available online.
EXTENT OF CONTAMINATION STUDY VOL 2 - FIGURES	ETI, Inc.	2/22/1995	US EPA	189	4/9/2012	70	Th initial Draft ECS. The 5/24/95 report was subsequently completed following regulatory comments.
EXTENT OF CONTAMINATION STUDY VOL 7 - APENDICES X - Z	ETI, Inc.	2/22/1995	US EPA	190	4/9/2012	71	Th initial Draft ECS. The 5/24/95 report was subsequently completed following regulatory comments.
EXTENT OF CONTAMINATION STUDY VOL 3 - PLATES	ETI, Inc.	2/22/1995	US EPA	191	4/4/2012	72	Th initial Draft ECS. The 5/24/95 report was subsequently completed following regulatory comments.
EXTENT OF CONTAMINATION STUDY VOL 6 - APENDICES I - W	ETI, Inc.	2/22/1995	US EPA	192	4/4/2012	73	Th initial Draft ECS. The 5/24/95 report was subsequently completed following regulatory comments.
MODIFICATION OF EXTENT OF CONTAMINATION STUDY	ETI, Inc.	2/27/1995	US EPA	188	4/9/2012	69	Th initial Draft ECS. The 5/24/95 report was subsequently completed following regulatory comments.
EPA DISAPPROVAL OF PRP'S EXTENT OF CONTAMINATION STUDY	US EPA	4/28/1995	US EPA	184	4/9/2012	68	Comments for initial ECS. The 5/24/95 report was subsequently completed.
EXTENT OF CONTAMINATION STUDY VOL 4 - ANALYTICAL	ETI, Inc.	5/24/1995	US EPA	179	4/9/2012	65	Report presents a majority of the work completed at the site as of this date and subsequently provide much of the reference material for the Phase I/Preliminary Assessment Investigation.
EXTENT OF CONTAMINATION STUDY VOL 5 - APPENDICES A - H	ETI, Inc.	5/24/1995	US EPA	180	4/9/2012	66	See above.
EXTENT OF CONTAMINATION STUDY - VOL 1	ETI, Inc.	5/24/1995	US EPA	181	4/9/2012	67	See above.
COMMENTS ON POTENTIAL DRINKING WATER USE (GROUNDWATER SURVEY ATTACHED)	RF&P	7/13/1995	US EPA	172	4/9/2012	64	The information addressed the then current use of ground water for the City of Alexandria water supply, as well as the nature of the Middle Potomac aquifer.
DISSAPPROVAL OF RISK ASSESSMENT	US EPA	7/17/1995	US EPA	171	4/9/2012	63	EPA Comments for disapproval for the Draft Human Health and Ecological Risk Assessment.

<u>Document Name</u>	<u>Author</u>	Document Date	Agency Repository	EPA Admin Record Document No.	<u>Date</u> <u>Obtained</u>	Project Document Control No.	<u>Comments</u>
RESPONSE TO COMMENTS ON EXTENT OF CONTAMINATION STUDY (RELATED DOCUMENTS ATTACHED)	Earth Tech, Inc.	7/21/1995	US EPA	170	4/9/2012	62	Includes responses and page replacements for the ECS.
REPORT: SITE ACTIVITIES SUPPLEMENTAL NFORMATION	ETI, Inc.	7/31/1995	US EPA	169	4/9/2012	61	Potomac Yard Environmental Activities: Supplemental Information for ECS approval including Pond Removal Work Plan, UST Closure Report, History of Free Product Removal.
REVISED HUMAN HEALTH & ECOLOGICAL RISK ASSESSMENT	The Weinberg Group, Inc.	8/21/1995	US EPA	165	4/9/2012	59	Initial Human Health Risk Assessment and On-Site Ecological Risk Assessment for the Potomac Yard Site.
REVISED HUMAN HEALTH & ECOLOGICAL RISK ASSESSMENT (APPENDICES A - N)	The Weinberg Group, Inc.	8/21/1995	US EPA	166	4/9/2012	60	Appendices to the above report.
DISAPPROVAL OF HUMAN HEALTH RISK ASSESSMENT & ON-SITE ECOLOGICAL RISK ASSESSMENT	US EPA	9/22/1995	US EPA	160	4/9/2012	58	USEPA correspondence. Missing Page 1.
SUMMARY OF AGREEMENTS REGARDING FINALIZATION OF RISK ASSESSMENT (COVER LETTER ATTACHED)	RF&P	9/29/1995	US EPA	158	4/9/2012	56	Summary of agreements regarding the Ecological Risk Assessment for Potomac Yard dated August 21,1995.
SUMMARY OF AGREEMENTS (COVER LETTER ATTACHED)	RF&P	9/29/1995	US EPA	159	4/9/2012	57	As above.
REQUEST FOR ENGINEERING EVALUATION/COST ANALYSIS FOR REMOVAL	US EPA	10/6/1995	US EPA	157	4/9/2012	55	EPA Request for conducting an Engineering Evaluations/Cost Analysis (EE/CA).
HUMAN HEALTH RISK ASSESSMENT & ON-SITE ECOLOGICAL RISK ASSESSMENT (COVER LETTER ATTACHED)	The Weinberg Group, Inc.	10/13/1995	US EPA	153	4/9/2012	53	Human Health Risk Assessment and On-Site Ecological Risk Assessment for the Potomac Yard Site.
HUMAN HEALTH RISK ASSESSMENT & ON-SITE ECOLOGICAL RISK ASSESSMENT - APPENDICES A - N	The Weinberg Group, Inc.	10/13/1995	US EPA	154	4/9/2012	54	Appendices to the above report.
ERRATA LIST & CORRECTED TABLE (COVER LETTER ATTACHED)	Earth Tech, Inc.	10/26/1995	US EPA	151	4/9/2012	52	Errata IV for Revised Extent of Contamination Study.
ENGINEERING EVALUATION/COST ANALYSIS FACT SHEET	US EPA	11/1/1995	US EPA	146	4/9/2012	49	EPA EE/CA Fact Sheet.
EXTENT OF CONTAMINATION STUDY FACT SHEET	US EPA	11/1/1995	US EPA	147	4/9/2012	50	EPA ECS Fact Sheet.
ECOLOGICAL RISK ASSESSMENT FACT SHEET	US EPA	11/1/1995	US EPA	148	4/9/2012	51	The Baseline Human Health and On-slte Ecological Risk Assessment (BHERA) Fact Sheet.
COMMENTS ON EXTENTION REQUEST	US EPA	11/14/1995	US EPA	144	4/9/2012	48	EPA correspondence in response to extension request for ECS and Baseline Human Health and On-Site Ecological Risk Assessment.
PREVIOUS WORK PLAN (COVER LETTER ATTACHED)	US EPA	11/27/1995	US EPA	142	4/9/2012	47	EPA-provided reference document for tidal/sediment sampling.
COMMENTS ON WORK PLAN	Alexandria Health Dept.	12/21/1995	US EPA	138	4/9/2012	46	Alexandria Health Dept. comments on the draft EE/CA.
ENGINEERING EVALUATION/COST ANALYSIS (EE/CA) WORK PLAN DISSAPPROVAL	US EPA	12/22/1995	US EPA	136	4/9/2012	45	EPA Noted deficiencies correspondence for the EE/CA.
COMMENTS ON SLATERS LANE	US EPA	12/29/1995	US EPA	135	4/9/2012	44	Determination that Slater's Lane is not contributing factor to Potomac Yard investigations.
MEETING SET-UP	US EPA	1/17/1996	US EPA	131	4/9/2012	43	EPA Meeting for EE/CA.
COMMENTS ON WORK PLAN FOR OFF-SITE ECOLOGICAL RISK ASSESSMENT	Arlington Co Dept of Environmental Services	1/19/1996	US EPA	130	4/9/2012	42	Arlington County comments to Draft Work Plan for Off-Site Ecological Risk Assessment.
COMMENTS ON EXTENT OF CONTAMINATION STUDY	US EPA	1/23/1996	US EPA	129	4/9/2012	41	Comments included in final report.

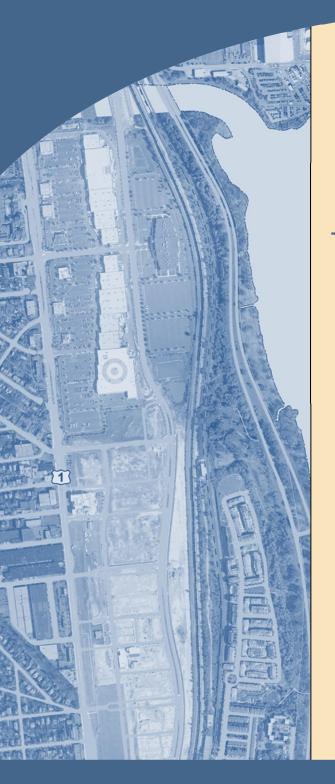
<u>Document Name</u>	<u>Author</u>	<u>Document Date</u>	Agency Repository	EPA Admin Record Document No.	<u>Date</u> Obtained	<u>Project</u> <u>Document</u> Control No.	<u>Comments</u>
EVALUATION OF STUDY OF ARSENIC UPTAKE (RELATED DOCUMENTS ATTACHED)	US EPA	1/26/1996	US EPA	128	4/9/2012	40	EPA Document on Arsenic Risk Assessment - not site specific.
CURRENT DRAINAGE CONDITIONS FOR NORTH YARD & NORTH YARD TAIL	US EPA	1/30/1996	US EPA	127	4/9/2012	39	Oversized Map. Imagery unscannable data sheet.
DISAPPROVAL OF OFF-SITE ECOLOGICAL RISK ASSESSMENT WORK PLAN (OSERAWP) (RELATED DOCUMENTS ATTACHED)	US EPA	2/9/1996	US EPA	125	4/9/2012	38	EPA Comments for disapproval for Off-Site Ecological Risk Assessment.
CONCERNS ON COMMENTS ON OFF-SITE ECOLOGICAL RISK ASSESSMENT AND REQUEST FOR MEETING	Williams, Mullen, Christian & Dobbins	2/26/1996	US EPA	121	4/9/2012	37	Comments included in final report.
COMMENTS ON ENGINEERING EVALUATION/COST ANALYSIS	Alexandria Health Dept.	3/19/1996	US EPA	118	4/9/2012	36	Comments included in final report.
CONDITIONAL APPROVAL OF ENGINEERING EVALUATION/COST ANALYSIS	US EPA	4/17/1996	US EPA	114	4/9/2012	35	EPA Conditional approval of EE/CA.
REQUEST TO NOT SAMPLE DRAINAGE DITCHES	Williams, Mullen, Christian & Dobbins	5/23/1996	US EPA	112	4/9/2012	34	5/23/96 Letter from RF&P contending need for sediment sampling from 4-mile run and Potomac River.
SITE PROGRESS REPORT #49 (COVER LETTER ATTACHED)	Earth Tech, Inc.	6/13/1996	US EPA	111	4/9/2012	33	June 13, 1996 Potomac Yard Site, Monthly Progress Report No. 49. "To date, a total of approximately 3069.28 gallons of free product have been recovered from 16 wells."
FINAL APPROVAL ON ENGINEERING EVALUATION/COST ANALYSIS PENDING MODIFICATIONS	US EPA	6/17/1996	US EPA	110	4/9/2012	32	June 17, 1996 EPA Approval of EE/CA.
COMMENTS ON ENGINEERING EVALUATION/COST ANALYSIS	VDEQ	6/17/1996	US EPA	109	4/9/2012	31	June 17, 1996 VDEQ comments to EE/CA.
FINAL ENGINEERING EVALUATION/COST ANALYSIS	Earth Tech, Inc.	6/24/1996	US EPA	108	4/9/2012	30	June 21,1996 - Revised Figures, text and tables for EE/CA.
COMMENTS ON DRAINAGE DITCHES	US EPA	7/3/1996	US EPA	107	4/9/2012	29	7/3/96 Letter to RP responding to need for sampling ditches.
COMMUNITY RELATION PLAN	US EPA	7/17/1996	US EPA	106	4/9/2012	28	7/17/96 EPA Community Relations Plan "The Potomac Yard Site is being addressed under a streamlined Superfund process known as the Superfund Accelerated Cleanup Model".
CONSTRUCTION POLLUTANT DISCHARGE ELIMINATION SYSTEM PLAN	RF&P	7/19/1996	US EPA	105	4/9/2012	27	7/19/96 additional comments to SWPP for track relocation.
COMMENTS ON STORMWATER POLLUTION PREVENTION PLAN	VDEQ	8/8/1996	US EPA	104	4/9/2012	26	VDEQ 4/8/96 comments of SWPP for track relocation.
SITE PROGRESS REPORT #51	Earth Tech, Inc.	8/13/1996	US EPA	101	4/9/2012	25	Details abandonment of 43 MWs including well construction data; free product recovery; and other actions during time frame.
COMMENTS ON STORMWATER POLLUTION PREVENTION PLAN	US EPA	8/14/1996	US EPA	100	4/10/2012	24	Aug 1996 EPA Comments to SWPP for relocation of tracks.
PARTIAL APPROVAL OF EXTENSION REQUEST	US EPA	8/21/1996	US EPA	97	4/10/2012	23	8/26/96 EPA Approval of 7/29/12 Off-site Ecological Risk Assessment.
SAMPLING PLAN	Roy F. Weston, Inc.	9/5/1996	US EPA	94	4/10/2012	22	1996 sediment sampling plan of north and south pond ditch. No results.
COMMENTS ON STORMWATER POLLUTION PREVENTION PLAN (RELATED DOCUMENTS ATTACHED)	Christopher Consultants, ltd.	9/11/1996	US EPA	93	4/10/2012	21	9/11/96 SW Pollution Plan for track relocation. Includes full analytical tables for Rail Yard and Potomac Greens
PUBLIC NOTICE: ENGINEERING EVALUATION/COST ANALYSIS	US EPA	9/18/1996	US EPA	5	4/9/2012	1	Public notice for 9/18/1996 meeting.
TRANSCRIPT OF 9/18/96 PUBLIC MEETING	US EPA	10/2/1996	US EPA	90	4/10/2012	20	Public notice transcript for 9/18/1996 meeting.

<u>Document Name</u>	<u>Author</u>	<u>Document Date</u>	Agency Repository	EPA Admin Record Document No.	<u>Date</u> <u>Obtained</u>	<u>Project</u> <u>Document</u> Control No.	<u>Comments</u>
DATA QUALITY REPORT	Roy F. Weston, Inc.	11/12/1996	US EPA	86	4/10/2012	19	Quality Control Laboratory review of 4 water samples and ten soil (sediment) samples.
SITE PROGRESS REPORT # 54	Earth Tech, Inc.	11/13/1996	US EPA	84	4/10/2012	18	Details Free Product Gauging and recovery. Information from progress reports are included in the ECS and other major reports.
REQUEST FOR APPROVAL OF REMOVAL ACTION (RELATED DOCUMENTS ATTACHED)	US EPA	12/31/1996	US EPA	78	4/10/2012	17	12/31/98 EPA Request for Removal Action.
OFF-SITE SEDIMENT & SURFACE WATER SAMPLING TRIP REPORT	Roy F. Weston, Inc.	1/15/1997	US EPA	76	4/9/2012	16	Jan 15, 1997; off-site sediment and surface water sampling report for 10/96 from downgradient of ditches.
OFF-SITE ECOLOGICAL RISK ASSESSMENT FOR THE POTOMAC YARD SITE	The Weinberg Group, Inc.	3/20/1997	VDEQ	N/A	4/23/2012	152	Concludes that chemical releases from PY have not had an increase in ecological risks of Four Mile Run or the Potomac River.
WORK PLAN FOR SITE REMOVAL ACTION (COVER LETTER ATTACHED)	Earth Tech, Inc.	4/28/1997	US EPA	66	4/9/2012	15	The RAWP, dated 28 April 1997; Details the plans to close outfalls in the CO area and the drainage ditches.
TECHNICAL REVIEW DOCUMENT FOR THE WORK PLAN FOR SITE REMOVAL ACTION	Roy F. Weston, Inc.	6/26/1997	US EPA	60	4/10/2012	14	26 June 1997 - Review of The RAWP, dated 28 April 1997.
OFF-SITE ECOLOGICAL ASSESSMENT REPORT (COVER LETTER ATTACHED)	The Weinberg Group, Inc.	12/29/1997	US EPA	39	4/9/2012	13	December 29, 1997 - Off-Site Ecological Assessment; it is concluded that chemical releases from the Potomac Yard site have not increased ecological risks in Four Mile Run or the Potomac River beyond existing risks posed by regional background.
ADMINISTRATIVE ORDER (AO)	US EPA	2/18/1998	US EPA	33	4/9/2012	12	EPA Administrative Order by Consent Docket No. III-97-87-DC.
REVISED RESPONSE REACTION PLAN	Earth Tech, Inc.	3/16/1998	US EPA	29	4/9/2012	11	Revised Response Action Plan for Potomac Yard March 26, 1998 detailing procedures for closing ditches.
TECHNICAL REVIEW DOCUMENT FOR REVISED REPONSE ACTION PLAN (COVER LETTERS ATTACHED)	Roy F. Weston, Inc.	3/26/1998	US EPA	28	4/9/2012	10	March 26, 1998 - Technical Review of the Revised Response Action Plan.
SITE PROGRESS REPORT # 71 (COVER LETTER ATTACHED)	Earth Tech, Inc.	4/13/1998	US EPA	27	4/10/2012	9	Details Free Product Gauging and recovery from March 1998. Information from progress reports are included in the ECS and other major reports.
OFF-SITE SEDIMENT & SURFACE WATER SAMPLING PLAN	Roy F. Weston, Inc.	4/24/1998	US EPA	6	4/9/2012	2	Sampling Plan (only) for the north and south pond ditches. No map.
DATA CHARTS (COVER LETTER ATTACHED)	Roy F. Weston, Inc.	4/24/1998	US EPA	26	4/9/2012	8	APR-24-98; Sediment Samples downgradient/from ditch ponds.
MONTHLY PROGRESS REPORT #2 (COVER LETTER ATTACHED)	Earth Tech, Inc.	6/12/1998	US EPA	24	4/10/2012	7	No additional info included in report. Information from progress reports are included in the ECS and other major reports.
NARRATIVE COST SUMMARY REPORT (COVER LETTERS ATTACHED)	US EPA	9/3/1998	US EPA	17	4/9/2012	6	EPA bill for collection - September 3,1998 for \$529,181.15.
INTERIM FINAL REPORT FOR SITE RESPONSE ACTION PLAN (RELATED DOCUMENTS ATTACHED)	Earth Tech, Inc.	11/13/1998	US EPA	13	4/9/2012	5	Interim response for North, Middle, and South Pond Ditches.
ITEMIZED COST SUMMARY REPORT (RELATED DOCUMENTS ATTACHED)	US EPA	6/3/1999	US EPA	8	4/9/2012	4	Costs from 2/18/98 - 4/30/99.
SITE CHARACTERIZATION REPORT ADDENDUM	Earth Tech, Inc.	8/4/1999	VDEQ	N/A	4/23/2012	153	Provides summary of remedial activities completed in the COA.
ENFOREMENT REMOVAL ADMINISTRATIVE RECORD FILE INDEX OF DOCUMENTS	US EPA	8/31/1999	US EPA	7	4/9/2012	3	Index of documents.
CORRECTIVE ACTION PLAN	Earth Tech, Inc.	12/20/1999	VDEQ	N/A	4/23/2012	151	Plan for the removal of TPH-Impacted soils from the COA.
CLOSURE REPORT FOR CORRECTIVE ACTION PLAN IMPLEMENTATION	Earth Tech, Inc.	10/9/2000	VDEQ	N/A	4/23/2012	150	COA TPH-Impacted Soil Excavation and Removal Closure Report.

<u>Document Name</u>	<u>Author</u>	Document Date	Agency Repository	EPA Admin Record Document No.	<u>Date</u> Obtained	<u>Project</u> <u>Document</u> Control No.	<u>Comments</u>
ENVIRONMENTAL ADDENDUM TO THE CONCEPT PLAN; LAND BAY A - POTOMAC GREENS	Earth Tech, Inc.	11/28/2001	City of Alexandria	N/A	4/26/2012	159	Includes a Site Characterization Report, Risk Assessment, Remediation Plan, and Health and Safety Plan for Land Bay A - Potomac Greens.
SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING ANALYSIS - POTOMAC GREEN TOWNHOMES	ECS, LTD.	8/7/2002	City of Alexandria	N/A	4/26/2012	155	Presents procedures, boring logs and engineering analysis of geotech at Potomac Greens (no maps of boring locations).
PRELIMINARY SITE DEVELOPMENT RISK ASSESSMENT, POTOMAC GREENS	ECS, LTD.	4/16/2003	City of Alexandria	N/A	4/26/2012	154	Provides Risk Assessment that no unacceptable risk would be posed to onsite workers during site development.
SITE CHARACTERIZATION REPORT-POTOMAC YARD LANDBAY D	ECC, INC.	2/15/2011	City of Alexandria	N/A	4/26/2012	157	Reviews 10 borings and at least 1 sample was above TCLP lead at 5.4 mg/l. Perched GW conditions b/t 2 and 6 feet were observed and detailed capping with at least 2 ft of clean soil.
SITE CHARACTERIZATION REPORT-POTOMAC YARD LANDBAY E	ECC, INC.	2/15/2011	City of Alexandria	N/A	4/26/2012	158	Four borings conducted on the property. The site consists of vacant land and 3 bridges and no development is expected to occur based upon site limitations.
REMEDIAL ACTION PLAN-POTOMAC YARD LANDBAY G	ECC, INC.	10/18/2011	VDEQ-VRP	N/A	4/23/2012	156	Future use of area will be mixed-use development completed in phases. Details current investigations and findings within the Landbay and remedial requirements.

Note: Transmittal letters, cost capture memos, public notices, selected progress reports and comments/reviews to final report that contained redundant information were often not downloaded for review. This additional information remains on the USEPA's Project Record for the Potomac Yard.

POTOMAC YARD METRORAIL STATION ENVIRONMENTAL IMPACT STATEMENT



Safety and Security Technical Memorandum

February 2013

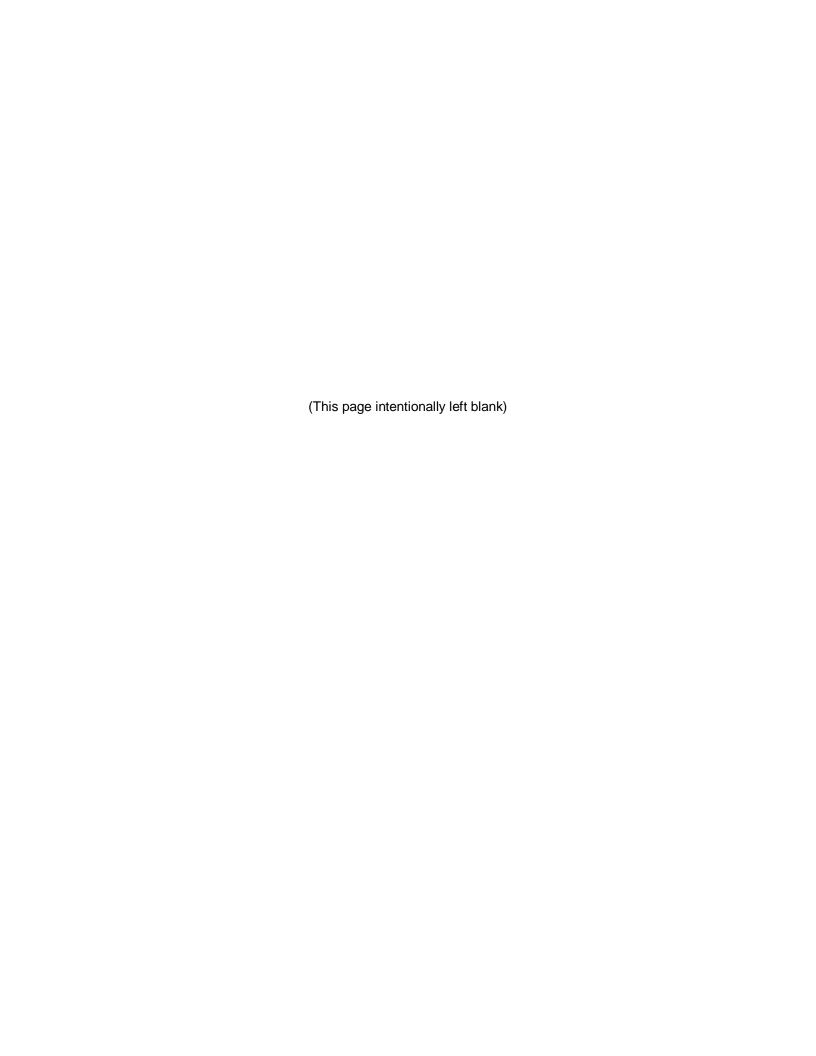
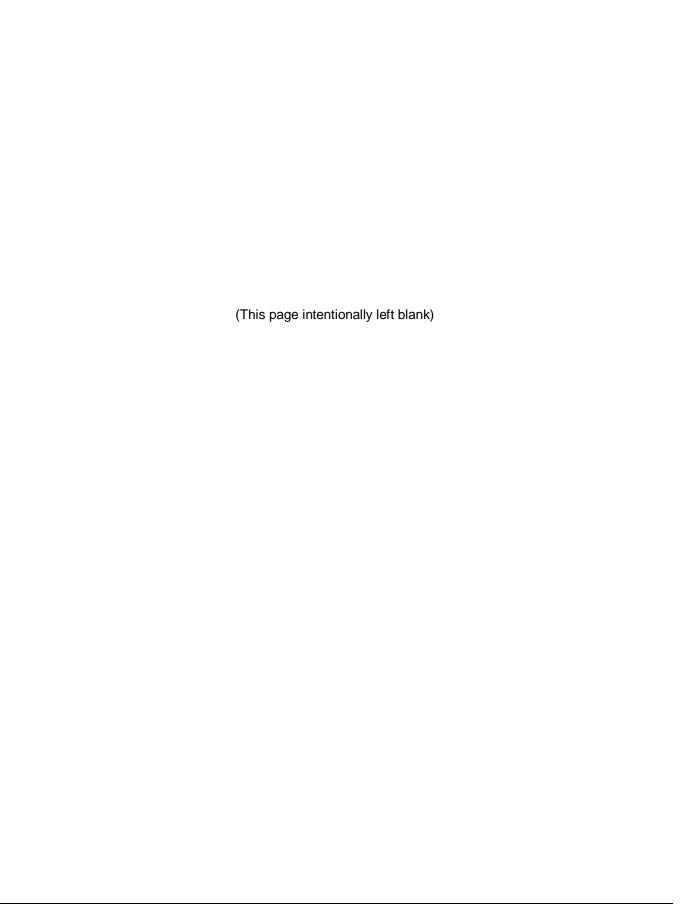


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1.0 INTRODUCTION

The Federal Transit Administration (FTA), as the lead federal agency, and the City of Alexandria, as the project sponsor and joint lead agency, has prepared a Draft Environmental Impact Statement (Draft EIS) in accordance with the National Environmental Policy Act (NEPA) for the proposed Potomac Yard Metrorail Station ("the project"). The Draft EIS has been prepared in cooperation with the Washington Metropolitan Area Transit Authority (WMATA) and the National Park Service (NPS).

This technical memorandum identifies the potential effects to safety and security of the No Build and three Build Alternatives. The memorandum describes the following:

- Project alternatives
- Applicable regulations and guidance
- Methodology
- Opening year conditions
- Potential effects of each alternative (note that construction effects are described separately in the Construction Impacts Technical Memorandum)
- Mitigation measures

The findings of this analysis will be incorporated into the Draft EIS.

1.1 Project Alternatives

The Draft EIS evaluates a No Build Alternative and three Build Alternatives. Each Build Alternative includes the same area improvements as the No Build Alternative in addition to construction and operation of a Metrorail station.

1.1.1 No Build Alternative

The No Build Alternative is defined as the existing highway and transit network and committed transportation improvements from the National Capital Region Transportation Planning Board's Financially Constrained Long Range Plan (CLRP). The Draft EIS assumes that any improvements that are anticipated to be implemented by the project horizon year, whether physical or operational, are part of the No Build Alternative, with the exception of the new Metrorail Station at Potomac Yard.

The No Build Alternative includes the build-out of an internal street network within Potomac Yard (roughly from Four Mile Run to Braddock Road) and additional investments in transit and bicycle/pedestrian facilities, including a pedestrian bridge over the Metrorail and CSX Transportation (CSXT) rights-of-way between Potomac Greens and Potomac Yard. Anticipated transit investments include the Crystal City/Potomac Yard (CCPY) Transitway and an expansion of local transit service. The No Build Alternative also includes an off-street, multi-use trail through the planned linear park between Potomac Avenue and the CSXT right-of-way. This new off-street, multi-use trail will enhance access to the existing regional trail network, which serves both recreational users and commuters.

1.1.2 Build Alternatives

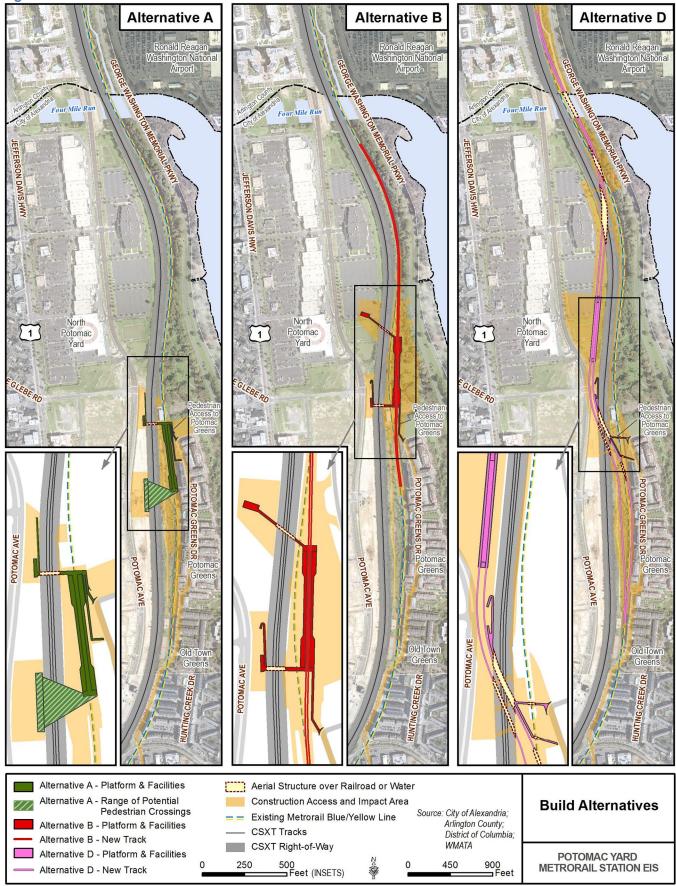
The Build Alternatives are described below and shown in **Table 1-1** and **Figure 1-1**.

Build Alternative A

Build Alternative A would be located between the CSXT right-of-way and the north end of the Potomac Greens neighborhood in the Metrorail Reservation easement designated during earlier planning efforts for the Potomac Yard area. The station would be at-grade with a side platform layout. Additional station facilities would include two pedestrian bridges from the station over the CSXT right-of-way to the planned development in Potomac Yard. The bridge at the northern end of the station would provide 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood.

Build Alternative A would require minimal track realignment within the station area and would include construction of a double crossover located approximately 900 feet south of the station.

Figure 1-1: Build Alternatives



Build Alternative B

Build Alternative B would be located between the George Washington Memorial Parkway (GWMP) and the CSXT right-of-way, north of the Potomac Greens neighborhood and east of the south end of the existing Potomac Yard Shopping Center in North Potomac Yard. The station would be located within the Greens Scenic Area easement administered by NPS. The station would be at-grade. Additional station facilities would include two pedestrian bridges from the station over the CSXT right-of-way to the planned development in Potomac Yard. The bridge at the southern end of the station would provide 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood.

Build Alternative B would require the realignment of approximately 650 feet of existing track, as well as the installation of approximately 1,450 feet of new track. Special track work – a double crossover – would be required approximately 100 feet north of the station.

The new track and station would be built on retained fill, and a new retaining wall would be constructed on the east side of the track and station to support the structures.

Build Alternative D

Build Alternative D would be located west of the CSXT right-of-way near the existing Potomac Yard Shopping Center. The station would be aerial with a center platform layout. One pedestrian bridge over the CSXT right-of-way would be constructed, connecting the neighborhoods of Potomac Greens and Old Town Greens to Potomac Avenue at East Glebe Road. The pedestrian bridge would be parallel to the adjacent new Metrorail bridge over the CSXT railroad, which is required to accommodate Build Alternative D and is described below.

Build Alternative D would require the realignment of approximately 550 feet of existing track, as well as the installation of approximately 5,800 feet of new track. The majority of new track would be elevated. Build Alternative D would also include construction of two Metrorail aerial bridges crossing the CSXT right-of-way to the north and south of the station, and a new, single span, aerial structure over Four Mile Run. Construction of a double crossover would be required in a location approximately 100 feet north of the station. Following completion of construction, the old Metrorail tracks will be removed from service.

Additional structural improvements would include the removal and replacement of the existing retaining wall near the Potomac Greens neighborhood and the removal of an additional retaining wall west of the existing Metrorail tracks, north of the portal at the southern end of the neighborhood.

Table 1-1: Build Alternatives

Alternative	Type and Layout	Track Work	Facilities for Station Access	Additional Structures Required
Build Alternative A	9		Two pedestrian bridges over CSXT right-of-way; access to Potomac Greens via walkway	None
Build Alternative B	At-grade, side platform	Moderate track work	Two pedestrian bridges over CSXT right-of-way; access to Potomac Greens via walkway	Structures (retaining wall) to support new track and station
Build Alternative D	Aerial, center platform	Major track work	One pedestrian bridge over CSXT right-of-way to provide access between Potomac Yard and Potomac Greens	Two aerial structures over CSXT right-of-way, one Metrorail bridge over Four Mile Run, aerial track and supports, and retaining wall replacement on the east and west sides of the tracks north of the existing Metrorail portal. New structures would pass over the existing Metrorail tracks, which would be removed following construction.

Note: Track work for Build Alternatives B and D assumes existing Blue and Yellow Line Metrorail track would be removed where track is realigned

1.2 Applicable Regulations and Guidance

In addition to general NEPA regulations and guidance, the safety and security analysis was developed consistent with the following federal and local guidance and policies:

- Rail Fixed Guideway Systems State Safety Oversight (49 CFR Part 659) The FTA created a state-managed oversight program for rail transit safety and security under 49 CFR 659, State Safety Oversight Rule. The program is applicable to all states that have, within their boundaries, a fixed guideway rail system not regulated by the FRA. The rule requires that transit agencies address the personal safety and security of their passengers and employees by preparing a System Safety Program Plan (SSPP) and a System Security Plan (SSP).
- Federal Transit Administration, An Introduction to All Hazards Preparedness Training for Transit Agencies, May 2010.
- Transportation Research Board, Transit Cooperative Research Program, TCRP Synthesis 80, Transit Security Update, 2009.
- Federal Transit Administration, The Public Transportation System Security and Emergency Preparedness Planning Guide, January 2003.
- National Fire Protection Association (NFPA), NFPA 130: Standard for Fixed Guideway Transit and Passenger Rail Systems, 2010 Edition.
- WMATA, System Safety Program Plan, January 2011.
- WMATA, Manual of Design Criteria, Release 9, 2008.

1.3 Methodology

Current safety and security measures within the Metrorail system were documented based on WMATA's *System Safety Program Plan* (SSPP). This document consists of a series of required activities which must be undertaken to ensure the safety of both patrons and employees, addressing organizational responsibilities, safety program implementation, and safety verification. The SSPP was developed in accordance with the revised FTA Final Rule, *Rail Fixed Guideway Systems State Safety Oversight* (49 CFR Part 659) and the Tri-State Oversight Committee's *Program Standard and Procedures* (October 2010).

Safety and security issues were identified as they related to the facilities to be constructed for each alternative. Identification of issues was based on comments received from the public and reference to industry standards and practice. If the proposed practices and procedures for safety and security and designs for the Build Alternatives adequately addressed the identified issues, no impact was deemed to occur. The physical study area for safety and security was the extent of the proposed improvements.

This technical memorandum will be used as the basis for consultation with the Metro Transit Police Department (MTPD), the City of Alexandria Police Department, and the City of Alexandria Fire Department, who have law enforcement jurisdiction and serve as first responders in the study area. Consultation will take place during the Draft EIS process, and the findings will be revised as needed based on comments received from these police and fire departments.

2.0 OPENING YEAR CONDITIONS

This section discusses WMATA's current safety and security measures for both patrons and employees. As these safety and security measures are to remain in effect for the foreseeable future unless modified by WMATA, this memorandum has assumed that conditions in 2016 will be similar to the existing conditions.

WMATA's SSPP identifies the procedures and design features which are intended to ensure the safety and security of employees and patrons of the WMATA system. In addition, WMATA design criteria specify that the design of facilities be consistent with the *NFPA 130 Standard for Fixed Guideway Transit and Passenger Rail Systems* (NFPA 130), which is an industry standard intended to ensure the safety of passengers and employees in the event of an emergency. WMATA ensures compliance with its safety and security procedures and policies through training, coordination, and periodic audits.

2.1 Stations and Facilities

The completed regional Metrorail system consists of 106.5 miles of tunnel, elevated, and surface track that is used exclusively for Metrorail operations and includes 86 stations. The existing Metrorail alignment within the study area consists mostly of surface track. Track on structure includes the bridge over Four Mile Run and the

approach to the Ronald Reagan Washington National Airport station. At the southern end of the study area, track is in a tunnel as it passes under the Old Town Greens neighborhood.

Metrorail stations can be subsurface, at grade, or on elevated structures. All facilities are designed and built in accordance with applicable laws, building codes and accessibility guidelines at the time of construction. Clearly marked escalators, stairs, and elevators provide vertical circulation between street, fare collection, and platform levels. Lights are installed along the granite edges of station platforms and flash to alert passengers when a train is arriving, thereby decreasing the tendency for passengers to stand at the platform edge to watch for the train. In many stations, detectable tiles are located on station platforms adjacent to the granite edges to alert passengers that they are approaching the edge of the platforms. Safety zones under the platforms provide space for passengers who fall off the platform to avoid an incoming train.

Metrorail stations built since the introduction of NFPA 130 provide areas of refuge. As defined by NFPA, an area of refuge is "a space located in a path of travel leading to a public way that is protected from the effects of fire, either by means of separation from other spaces in the same building or by virtue of location, thereby permitting a delay in egress travel from any level."

Metrorail stations are designed to eliminate recessed or hidden areas and provide unimpeded lines of sight for station users, station managers, and Metro Transit Police. In addition, all passenger stations and elevators are equipped with closed-circuit television (CCTV) cameras. Staffed station manager kiosks are located adjacent to the fare gates and are equipped with direct phone lines to the Rail Operations Control Center (ROCC). Emergency Trip Stations (ETS) are located at both ends of every platform for emergency removal of traction power if a person falls onto the tracks or any other emergency occurs. These trip stations include emergency telephones that connect directly to the ROCC. In addition, two call boxes are located approximately 200 feet from the ends of station platforms and enable passengers or staff to report emergency situations to the station manager. Stations are also equipped with fire alarm control panels and other features to minimize risk from fires.

2.2 Trains

All Metrorail rail cars are flanged steel-wheel rapid transit cars, with a capacity of 175-185 passengers. The maximum train consist length is eight cars. Cars are 75 feet long and 10 feet wide, with a design speed of 75 mph, although they are restricted in the Metrorail system to a maximum speed of 59 mph, except for certain segments of the Green line, where trains can operate at a speed of up to 65 mph.

Each Metrorail train car contains safety features designed to maintain a safe passenger and employee environment. These features include the use of fire-resistant materials throughout each car, fire extinguishers in each cab, emergency battery power for communications and emergency car lighting, and an intercom system that allows passengers to talk to the operator or the operator to communicate with passengers.

2.3 Law Enforcement

The Metro Transit Police Department (MTPD) performs law enforcement and public safety services on the Metrorail and Metrobus systems. The MTPD has an authorized strength of 420 sworn police officers, 106 security special police, and 24 civilian personnel. MTPD officers have jurisdiction and arrest powers for crimes that occur in or against Transit Authority facilities throughout the 1,500-square mile Transit Zone that includes the District of Columbia and portions of Maryland and Virginia.

2.4 Emergency Management

Emergency management within WMATA focuses on the preparedness, response, recovery, and mitigation of incidents and regional special events that impact transit operations. Emergencies may be caused by natural phenomena or as a result of man-made incidents, and may range from minor service disruptions to mass casualty incidents. WMATA works closely with and relies on jurisdictional fire and emergency management services (EMS) departments to respond to emergencies that result in the need for assessing fire or hazmat hazards, providing medical assistance, and performing extraction, recovery, and triage tasks at the incident scene. During more minor emergencies without injuries or critical safety issues to passengers and employees, WMATA works with its depth of internal resources to resolve the incident to maintain safe and normal operations.

The WMATA Office of Emergency Management (OEM), which is part of the MTPD, runs the Emergency Operations Center (EOC). The EOC is used for management of emergency operations within the WMATA system, which can include major events, severe weather conditions, and natural disasters. When an incident

occurs, OEM has the primary responsibility to respond to the incident scene and coordinate with on-scene rescue personnel and WMATA officials.

Fire protection, life safety requirements, procedures and training are coordinated by MTPD/OEM with jurisdictional emergency services departments through several Metropolitan Washington Council of Governments (MWCOG) committees and subcommittees, including the Fire Chiefs' Committee, Emergency Managers' Committee, Emergency Support Function 1 – Transportation Committee, and subcommittees for regional planners, passenger rail safety, and heavy rail safety.

3.0 POTENTIAL EFFECTS

The potential effects of the No Build and the Build Alternatives on safety and security are described in the following sections.

3.1 No Build Alternative

The No Build Alternative includes the addition of the Crystal City/Potomac Yard Transitway, expansion of local transit service, the build-out of the street network within Potomac Yard, and the addition of an off-street, multi-use trail through the planned linear park between Potomac Avenue and the CSXT right-of-way. These changes, as well as the additional population that is anticipated, will require increased law-enforcement presence and availability of first responders. However, any effects related to the improvements included under the No Build Alternative would not be the result of the Potomac Yard Metrorail Project.

3.2 Build Alternatives

The Build Alternatives can be expected to result in safety and security concerns similar to those at existing Metrorail stations. Potential safety or security events include: fire, derailment, loss of power, flooding, hazardous materials incidents, criminal or terrorist acts, extreme weather, and medical emergencies. The ability for first responders to access the station, and for employees and passengers to safely evacuate the station, are the primary concern should any of these events occur. In addition, passengers and employees at Metrorail stations are concerned with threats of personal crime. Effective law enforcement and station design that reduces the opportunity for crime are the primary methods of combating personal crime within the Metrorail system.

Each Build Alternative would be constructed according to existing WMATA standards and would include the safety features described in Section 2.1 above. Station design would follow NFPA 130 standards, which ensure the safety of passengers and employees in the event of an emergency. Station design would include elements intended to minimize the potential for personal crime on platforms and within station access facilities. Stations would be designed to provide unimpeded lines of sight and will be well-lit, so that passengers on the platform and using station access facilities can be easily seen by other passengers and WMATA employees. Stations would also be equipped with CCTV cameras, which will be connected to the system-wide monitoring system.

In emergency situations, operations along the Blue and Yellow Lines would follow the existing plans and procedures outlined in the SSPP. Depending on the nature of the emergency, following these procedures allows Metrorail to continue to provide service, for instance by maintaining service in both directions on one track (single-tracking) if there is a problem along the second track. The SSPP also ensures that the responsibilities and lines of communication are clear for emergencies that require evacuation along the Metrorail alignment. Evacuation and other first response actions would be performed by the local jurisdiction (the City of Alexandria).

WMATA requires completion of the Safety and Security Certification (SSC) process prior to entering the prerevenue demonstration phase of a new rail line segment or rail-related facility. The process verifies that certifiable elements and items comply with a formal list of safety and security requirements. Requirements are defined by design criteria, contract specifications, applicable codes, and industry safety and security standards. The SSC Program ensures the following:

- Design and operating hazards and security vulnerabilities are identified, evaluated, and properly controlled or mitigated, prior to commencement of passenger service;
- All safety and security critical elements are evaluated for compliance with the identified safety and security requirements during the design, construction and installation, testing, and start-up phases of a project; and
- All WMATA systems are operationally safe and secure for customers, employees, emergency personnel, and the general public, prior to entering, or re-entering after modification, revenue service or use by WMATA personnel.

3.2.1 Build Alternative A

No effects to safety and security are anticipated as a result of Build Alternative A. The station would be constructed according to existing WMATA standards and would include the safety features described in Section 2.1 above. The response to emergency situations would follow existing WMATA practice. Access for emergency personnel would be designed in accordance with applicable codes and standards, and in consultation with City of Alexandria and Arlington County emergency services departments.

3.2.2 Build Alternative B

Similar to Build Alternative A, no effects to safety and security are anticipated as a result of Build Alternative B. Like Alternative A, the station would be constructed according to WMATA and industry standards, and the response to emergency situations would follow existing WMATA practice. Access for emergency personnel would be designed in accordance with applicable codes and standards, and in consultation with City of Alexandria and Arlington County emergency services departments.

3.2.3 Build Alternative D

Similar to Build Alternatives A and B, no effects to safety and security are anticipated as a result of Build Alternative D. The station would be constructed according to WMATA and industry standards, and the response to emergency situations would follow existing WMATA practice. Access for emergency personnel would be designed in accordance with applicable codes and standards, and in consultation with City of Alexandria and Arlington County emergency services departments.

4.0 MITIGATION MEASURES

4.1 No Build Alternative

As no effect is anticipated under the No Build Alternative, no mitigation is proposed.

4.2 Build Alternatives

As no effect is anticipated under the Build Alternatives, no mitigation is proposed.

POTOMAC YARD METRORAIL STATION ENVIRONMENTAL IMPACT STATEMENT



Secondary and Cumulative Effects Technical Memorandum

February 2013



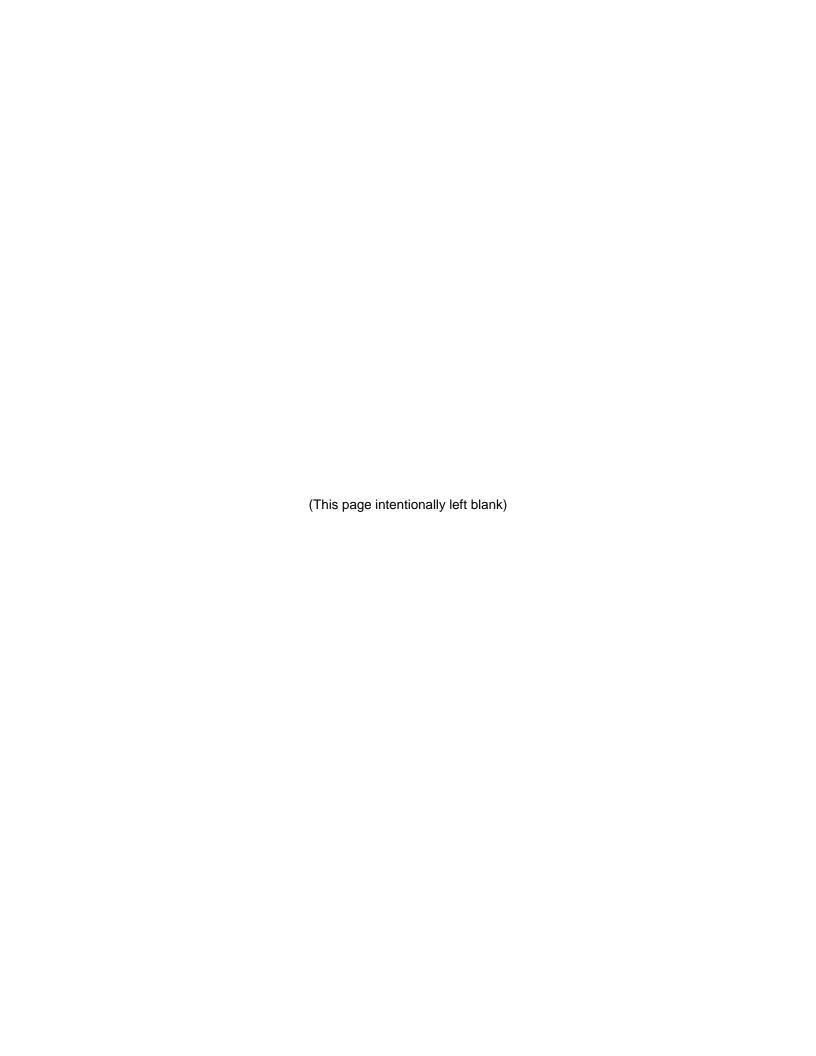
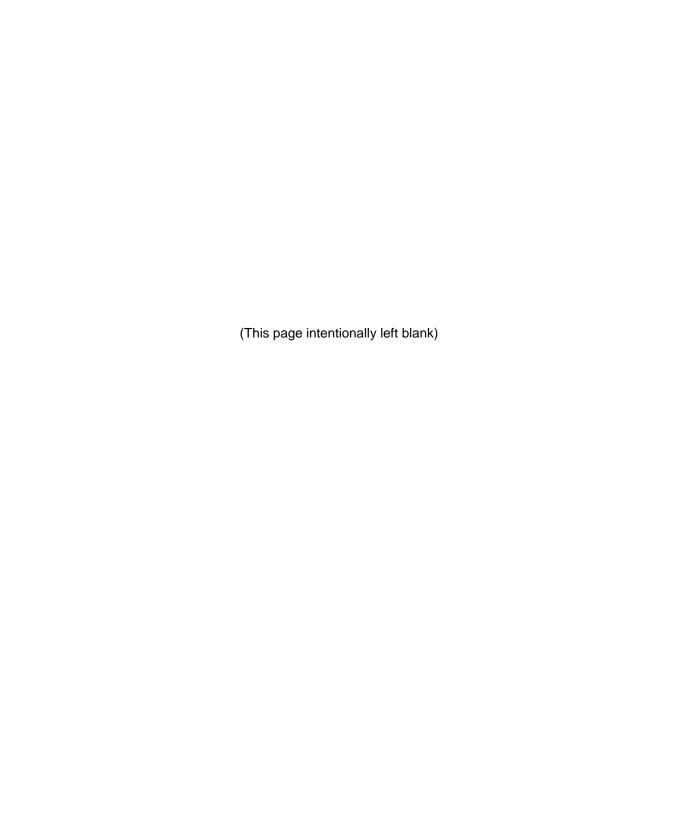


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1.0 INTRODUCTION

The Federal Transit Administration (FTA), as the lead federal agency, and the City of Alexandria, as the project sponsor and joint lead agency, has prepared a Draft Environmental Impact Statement (Draft EIS) in accordance with the National Environmental Policy Act (NEPA) for the proposed Potomac Yard Metrorail Station ("the project"). The Draft EIS has been prepared in cooperation with the Washington Metropolitan Area Transit Authority (WMATA) and the National Park Service (NPS).

This technical memorandum identifies the long-term secondary and cumulative effects of the No Build and three Build Alternatives. Potential secondary effects associated with construction of a Metrorail station would result primarily from development within Potomac Yard that would not be expected to occur without construction of a Metrorail station. Potential cumulative effects would occur due to construction of a Metrorail station in addition to the past, present, and future reasonably foreseeable projects within the study area. The memorandum describes the following:

- Project alternatives
- Applicable regulations and guidance
- Methodology
- Potential sources of effects
- Resources sensitive to secondary and cumulative effects
- Potential secondary effects associated with each alternative
- Potential cumulative effects associated with each alternative

The findings of this analysis will be incorporated into the Draft EIS.

1.1 Project Alternatives

The Draft EIS evaluates a No Build Alternative and three Build Alternatives. Each Build Alternative includes the same area improvements as the No Build Alternative in addition to construction and operation of a Metrorail station.

1.1.1 No Build Alternative

The No Build Alternative is defined as the existing highway and transit network and committed transportation improvements from the National Capital Region Transportation Planning Board's Financially Constrained Long Range Plan (CLRP). The Draft EIS assumes that any improvements that are anticipated to be implemented by the project horizon year, whether physical or operational, are part of the No Build Alternative, with the exception of the new Metrorail Station at Potomac Yard.

The No Build Alternative includes the build-out of an internal street network within Potomac Yard (roughly from Four Mile Run to Braddock Road) and additional investments in transit and bicycle/pedestrian facilities, including a pedestrian bridge over the Metrorail and CSX Transportation (CSXT) rights-of-way between Potomac Greens and Potomac Yard. Anticipated transit investments include the Crystal City/Potomac Yard (CCPY) Transitway and an expansion of local transit service. The No Build Alternative also includes an off-street, multi-use trail through the planned linear park between Potomac Avenue and the CSXT right-of-way. This new off-street, multi-use trail will enhance access to the existing regional trail network, which serves both recreational users and commuters.

1.1.2 Build Alternatives

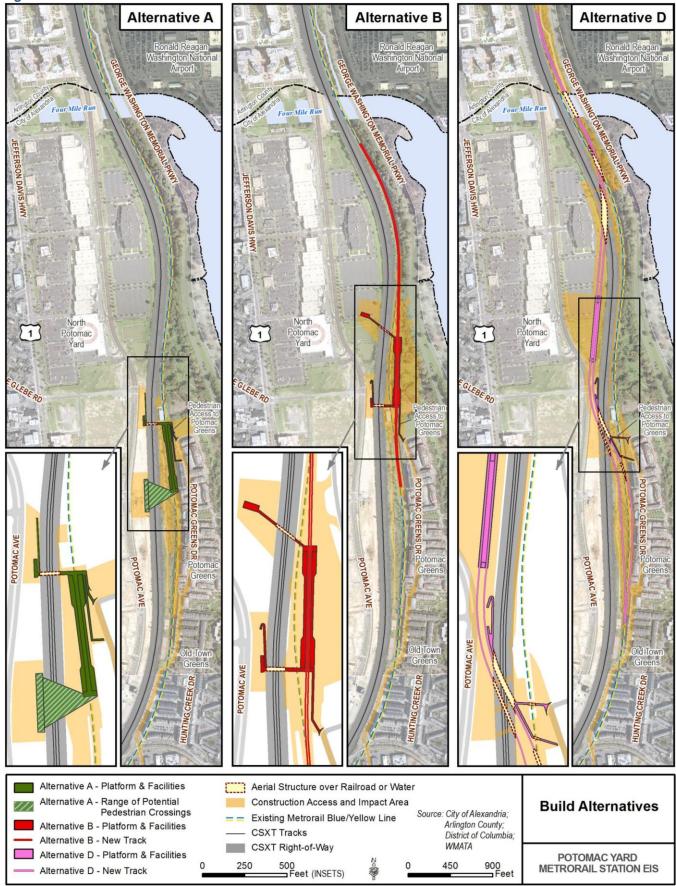
The Build Alternatives are described below and shown in **Table 1-1** and **Figure 1-1**.

Build Alternative A

Build Alternative A would be located between the CSXT right-of-way and the north end of the Potomac Greens neighborhood in the Metrorail Reservation easement designated during earlier planning efforts for the Potomac Yard area. The station would be at-grade with a side platform layout. Additional station facilities would include two pedestrian bridges from the station over the CSXT right-of-way to the planned development in Potomac Yard. The bridge at the northern end of the station would provide 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood.

Build Alternative A would require minimal track realignment within the station area and would include construction of a double crossover located approximately 900 feet south of the station.

Figure 1-1: Build Alternatives



Build Alternative B

Build Alternative B would be located between the George Washington Memorial Parkway (GWMP) and the CSXT right-of-way, north of the Potomac Greens neighborhood and east of the south end of the existing Potomac Yard Shopping Center in North Potomac Yard. The station would be located within the Greens Scenic Area easement administered by NPS. The station would be at-grade. Additional station facilities would include two pedestrian bridges from the station over the CSXT right-of-way to the planned development in Potomac Yard. The bridge at the southern end of the station would provide 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood.

Build Alternative B would require the realignment of approximately 650 feet of existing track, as well as the installation of approximately 1,450 feet of new track. Special track work – a double crossover – would be required approximately 100 feet north of the station.

The new track and station would be built on retained fill, and a new retaining wall would be constructed on the east side of the track and station to support the structures.

Build Alternative D

Build Alternative D would be located west of the CSXT right-of-way near the existing Potomac Yard Shopping Center. The station would be aerial with a center platform layout. One pedestrian bridge over the CSXT right-of-way would be constructed, connecting the neighborhoods of Potomac Greens and Old Town Greens to Potomac Avenue at East Glebe Road. The pedestrian bridge would be parallel to the adjacent new Metrorail bridge over the CSXT railroad, which is required to accommodate Build Alternative D and is described below.

Build Alternative D would require the realignment of approximately 550 feet of existing track, as well as the installation of approximately 5,800 feet of new track. The majority of new track would be elevated. Build Alternative D would also include construction of two Metrorail aerial bridges crossing the CSXT right-of-way to the north and south of the station, and a new, single span, aerial structure over Four Mile Run. Construction of a double crossover would be required in a location approximately 100 feet north of the station. Following completion of construction, the old Metrorail tracks will be removed from service.

Additional structural improvements would include the removal and replacement of the existing retaining wall near the Potomac Greens neighborhood and the removal of an additional retaining wall west of the existing Metrorail tracks, north of the portal at the southern end of the neighborhood.

Table 1-1: Build Alternatives

Alternative	Type and Layout	Track Work	Facilities for Station	Additional Structures Required
Build Alternative A	At-grade, side platform	Minimal track work	Two pedestrian bridges over CSXT right-of-way; access to Potomac Greens via walkway	None
Build Alternative B	At-grade, side platform	Moderate track work	Two pedestrian bridges over CSXT right-of-way; access to Potomac Greens via walkway	Structures (retaining wall) to support new track and station
Build Alternative D	Aerial, center platform	Major track work	One pedestrian bridge over CSXT right-of-way to provide access between Potomac Yard and Potomac Greens	Two aerial structures over CSXT right-of-way, one Metrorail bridge over Four Mile Run, aerial track and supports, and retaining wall replacement on the east and west sides of the tracks north of the existing Metrorail portal. New structures would pass over the existing Metrorail tracks, which would be removed following construction.

Note: Track work for Build Alternatives B and D assumes existing Blue and Yellow Line Metrorail track would be removed where track is realigned.

1.2 Applicable Regulation and Guidance

The secondary and cumulative effects analysis was prepared pursuant to the following federal regulation and guidance:

- Council on Environmental Quality (CEQ), Considering Cumulative Effects Under the National Environmental Policy Act, January 1997;
- Federal Highway Administration, Interim Guidance: Indirect and Cumulative Impacts in NEPA, January 31, 2003:
- National Academy of Sciences, Transportation Research Board, Desk Reference for Estimating Indirect Effects of Transportation Projects (NCHRP 466), 2002;
- National Academy of Sciences, Transportation Research Board, Forecasting Indirect Land Use Effects of Transportation Projects (NCHRP Project 25-25), January 5, 2008;
- CEQ, Federal Greenhouse Gas Accounting and Reporting Guidance, October 6, 2010; and
- City of Alexandria Energy and Climate Change Action Plan 2012-2020.

1.3 Methodology

1.3.1 Secondary Effects

The analysis of secondary effects evaluated the project's potential to induce land development and travel demand. The analysis assumed land development scenarios both with and without a Metrorail station, and variations of development intensity dependent on whether Alternative A, B or D is selected as the preferred alternative. Assumptions regarding the level of development under each alternative were developed in consultation with City of Alexandria staff, based on adopted land use plans for Potomac Yard.

1.3.2 Cumulative Effects

The cumulative effects analysis evaluated the longer-term effects to resources in a larger context that included past, present, and future "reasonably foreseeable" activities within the project area. The analysis process involved the following steps:

- Identifying Sensitive Resources and Area of Effect: The first step in the process is the identification of
 sensitive resources to be analyzed for effects. Resources directly affected by any of the project alternatives, as
 well as those resources that are particularly susceptible to cumulative effects, were included in the analysis.
 Sensitive resources were identified using the results of the environmental analyses prepared for the various
 sections of this Draft EIS, as well as public and agency scoping comments received.
- Identifying Potential Sources of Effects: The sources of cumulative effects are the Potomac Yard Metrorail Station project, recent and planned infrastructure projects in the study area, and the recent and planned development in Potomac Yard. These sources are described in more detail in Section 2.0.
- Identifying Potential Effects: For the assessment of cumulative effects, the projects identified in Section 2.0 were evaluated relative to the same social and environmental criteria presented in the Draft EIS, although at a lower level of detail and in a qualitative manner. The mitigated condition for the evaluated projects was assumed for the analysis. The anticipated effects of these projects were combined with the identified potential effects of the Potomac Yard Metrorail Station project to determine the potential for cumulative effects.

The cumulative effects assessment also addressed the potential effects of climate change on the project. The City of Alexandria's *Energy and Climate Change Action Plan 2012-2020* identifies potential effects of climate change on the city, including sea level rise, increases in annual rainfall, increases in air and water temperature, ecological disruptions to ecosystems, effects on quality of life, and other impacts. The cumulative impacts analysis included a qualitative assessment of the impacts of climate change on the environmental effects identified for the project alternatives. The assessment also identified refinements to the design of the project to reduce vulnerability to climate change impacts, adapt to changes in the environment, and mitigate the potential impacts of the project that would be exacerbated by climate change. The potential contribution of the project to greenhouse gas emissions related to automobile trips and vehicle miles traveled is assessed in the *Air Quality Technical Memorandum*.

2.0 POTENTIAL SOURCES OF EFFECTS

Potential sources of secondary and cumulative effects include recent and planned development within the City of Alexandria and Arlington County portions of Potomac Yard, as well as recent and planned infrastructure projects within the study area.

2.1 Recent and Planned Development in Alexandria Potomac Yard

Recent and planned development within the Alexandria portion of Potomac Yard includes the Old Town Greens and Potomac Greens neighborhoods, which have been completed, as well as the planned development in South Potomac Yard and North Potomac Yard. Old Town Greens and Potomac Greens comprise 500 dwelling units. In the landbays that comprise South Potomac Yard approximately 5.05 million square feet of development is permitted (some of this development has been completed or is under construction).

The North Potomac Yard Small Area Plan and CDD 19 allow for different levels of development, depending on whether the City of Alexandria decides to build a Metrorail station in Potomac Yard, and where that station is located. In total, 7.525 million square feet of development is permitted in North Potomac Yard if a Metrorail station is built at the approximate location of Build Alternative B. If a Metrorail station is not built, only 3.700 million square feet of development is permitted. The approved plan was developed based on a station in the vicinity of the location of Build Alternative B, and therefore would treat only Build Alternative B as a "Build" situation – both Build Alternative A and Build Alternative D would be treated as a "No Build" situation. However, if Build Alternative A or D is selected as the preferred alternative, the City of Alexandria would likely initiate a process to review the North Potomac Yard Small Area Plan to consider additional development that could be supported by the Metrorail station location. Therefore, the secondary effects analysis assumed additional levels of development for all Build Alternatives. Note that any changes to permitted development levels would require amendment of the North Potomac Yard Plan and CDD 19 zoning provisions.

Tables 2-1 and 2-2 list the development assumptions for each alternative. The column labeled "Additional in North Potomac Yard" lists the additional square feet of development that is assumed to result from selection of a specific alternative, and upon which the assessment of secondary and cumulative effects is based. Total potential development for each Build Alternative is provided in square feet, without reference to land use (for example, office, residential, or commercial), because plans recommend mixed-use development, and the exact development numbers for each use have yet to be determined. Both Build Alternative A and Build Alternative D would result in less permitted total square footage than Build Alternative B. For Build Alternative A, this is the result of its location farther south in Potomac Yard, meaning that less of North Potomac Yard would be within walking distance of the Metrorail station. Development plans for South Potomac Yard have been finalized, and as a result less land is available for the densest development immediately surrounding the Metrorail station, according to City of Alexandria estimates. Build Alternative D would be constructed on land that is currently slated for development, thereby reducing the development capacity of North Potomac Yard, according to City of Alexandria estimates.

Table 2-1: Estimated Development Levels for Opening Year 2016

Alternative	Potomac Greens/ Old Town Greens	South Potomac Yard	North Potomac Yard	Additional in North Potomac Yard (if Metrorail station is built)	TOTAL (square feet)
No Build Alternative	500,000	1,885,000	600,000	0	2,985,000
Build Alternative A	500,000	1,885,000	600,000	0	2,985,000
Build Alternative B	500,000	1,885,000	600,000	500,000	3,485,000
Build Alternative D	500,000	1,885,000	525,000	0	2,910,000

Source: City of Alexandria, Potomac Yard Metro Draft EIS: Land Use Estimates (June 2012), based on North Potomac Yard Small Area Plan (2010).

Opening Year 2016

The analysis assumed slightly different development levels for 2016 based on the three build alternatives. For Build Alternative A, the analysis assumed that the condition in North Potomac Yard would be the same as the No Build, with 600,000 square feet of development. For Build Alternative B, the analysis assumed some

redevelopment would take place, so that the total 2016 development in North Potomac Yard is assumed to be 1.1 million square feet. For Build Alternative D, the assumed land use in North Potomac Yard in 2016 is slightly lower, at 525,000 square feet, due to the demolition of the existing movie theater to accommodate the station and realigned track.

Horizon Year 2040

The assessment of secondary effects for the No Build Alternative assumed build-out of only the 3.7 million total square feet that is allowed without a Metrorail station.

Under Build Alternative A or Build Alternative D, the City of Alexandria would likely undertake a revision to the North Potomac Yard Small Area Plan and would allow some amount of additional density in North Potomac Yard. City of Alexandria staff provided assumptions for the amount of additional development that would be permitted based on the ability to accommodate additional development within one half mile of the Metrorail station. The secondary effects analysis assumed an additional 2.025 million square feet in North Potomac Yard for Build Alternative A, an additional 3.825 million square feet of development for Build Alternative B, and an additional 2.125 million square feet for Build Alternative D by 2040.

Table 2-2: Estimated Development Levels for Horizon Year 2040

Alternative	Potomac Greens/ Old Town Greens	South Potomac Yard	North Potomac Yard	Additional in North Potomac Yard	TOTAL (square feet)
No Build Alternative	500,000	5,050,000	3,700,000	0	9,250,000
Build Alternative A	500,000	5,050,000	3,700,000	2,025,000	11,275,000
Build Alternative B	500,000	5,050,000	3,700,000	3,825,000	13,075,000
Build Alternative D	500,000	5,050,000	3,700,000	2,125,000	11,375,000

Source: City of Alexandria, Potomac Yard Metro Draft EIS: Land Use Estimates (June 2012), based on North Potomac Yard Small Area Plan (2010).

2.2 Recent and Planned Development in Arlington Potomac Yard

Since 2005, redevelopment of the Arlington County portion of Potomac Yard has resulted in the addition of approximately 175,000 square feet of retail space, 1 million square feet of office space, and 850 dwelling units. The area is expected to add another 74,000 square feet of retail space, 1 million square feet of office space, and 700 dwelling units (Arlington County, *Development in the Metro Corridors* report, 2011).

2.3 Infrastructure Projects

A number of improvements to transportation infrastructure are either planned or have been recently completed to facilitate the redevelopment of Potomac Yard. The projects include:

- The realignment of the Monroe Avenue Bridge (completed);
- The completion of the planned street network within Potomac Yard (planned); and
- The implementation of the CCPY Transitway (planned).

3.0 RESOURCES SENSITIVE TO SECONDARY AND CUMULATIVE EFFECTS

The following resources were identified as sensitive to secondary and cumulative effects:

- Traffic;
- Land Acquisitions;
- Neighborhoods and Community Resources;
- Environmental Justice;
- Visual Resources;
- Cultural Resources;
- Parklands (including the Greens Scenic easement);
- Air Quality;

- Noise and Vibration;
- Water Resources;
- Ecosystems and Endangered Species;
- Sustainability;
- Contaminated Materials;
- Economic Effects; and
- Construction Impacts.

Table 3-1 summarizes the anticipated effects of each of the Build Alternatives in relation to the resources identified above.

Table 3-1: Potential Effects to Resources Sensitive to Secondary and Cumulative Effects

Resource	Build Alternative A	Build Alternative B	Build Alternative D		
Transportation	 No traffic impacts Additional run time requires additional Yellow Line train during the midday off-peak Addition of a bicycle and pedestrian bridge between Potomac Yard and Potomac Greens Potential for Metrorail patrons to use local streets for parking where there are no parking restrictions Improves transit access to Ronald Reagan Washington National Airport from Potomac Yard 				
Land Acquisitions	• 1.3 acres	• 4.0 acres	10.0 acresDisplacement of movie theater		
Neighborhoods, Demographics, and Community Resources	 Improved mobility through access Increased economic activity due to Visual impacts to views from Potential 	to proximity to Metrorail			
Environmental Justice	Benefit to communities from great	ter access to transit			
Visual Resources	Adverse impacts to views from GWMP and Potomac Greens due to station facilities and pedestrian/bicycle access, and to Potomac Yard due to pedestrian/bicycle bridge	Adverse impacts to views from the GWMP due to station facilities, and to Potomac Greens and Potomac Yard due to pedestrian/bicycle bridge	Adverse impacts to views from the GWMP, Potomac Greens, and Potomac Yard due to elevated track and structures		
Cultural Resources	 Indirect adverse visual effects to the Mount Vernon Memorial Highway (MVMH) properties Indirect effects to areas within the Old & Historic Alexandria District No direct or indirect effects to archaeological resources 	 Direct and indirect adverse visual effects to the MVMH/Parkways of the National Capital Region (PNCR) properties Direct and Indirect effects to areas within the Old & Historic Alexandria District Direct and indirect adverse effects to two archaeological resources 	 Direct and indirect adverse visual effects to the MVMH/PNCR properties Direct and Indirect effects to areas within the Old & Historic Alexandria District Direct and indirect adverse effects to one archaeological resource 		
Parklands	 1.17 acres permanent 4.67 acres temporary No permanent encroachment on Scenic Easement 	 3.17 acres permanent 6.22 acres temporary 1.71 acres permanent encroachment on Scenic Easement 	6.81 acres permanent 7.92 acres temporary No permanent encroachment on Scenic Easement		
Air Quality	None				
Noise and Vibration	 Noise – no change from No Build Vibration – increased impacts due to Metrorail trains passing over new switches 	 Noise – no change from No Build Vibration – no effect 	Noise – increased number of residences with affected, due to location of elevated track close to residential receptors Vibration – increased impacts due to Metrorail trains passing over new switches		

Resource	Build Alternative A	Build Alternative B	Build Alternative D		
Water Quality	Increases impervious surface by 1.8 acres	Increases impervious surface by 1.7 acres	Increases impervious surface by 9.2 acres		
Wetlands	0.01 acres permanent0.01 acres temporary	1.14 acres permanent3.73 acres temporary	0.39 acres permanent0.52 acres temporary		
100-yr Floodplain	None	1.39 acres permanent3.90 acres temporary	0.70 acres permanent1.30 acres temporary		
500-yr Floodplain	0.36 acres permanent	0.90 acres permanent	0.24 acres permanent		
Resource Protection Areas	0.38 acres permanent 0.52 acres temporary	3.07 acres permanent 5.74 acres temporary	1.48 acres permanent 1.80 acres temporary		
Ecosystems and Endangered Species	0.01 acres wetland habitat 0.01 acres treed upland habitat 0 acres riverine habitat	1.14 acres wetland habitat 0.53 acres treed upland habitat 0 acres riverine habitat	0.39 acres wetland habitat 0.98 acres treed upland habitat 0.21 acres riverine habitat		
Sustainability	Promotes mass transit				
Contaminated Materials	No permanent effects (see temp	orary construction effects)			
Economic Effects	Property values would be expect	ed to increase for parcels within ¼ m	nile of each Build Alternative		
Construction Imp	acts				
Construction Access	Construction access from Potomac Greens Drive and Potomac Avenue	Construction access from Potomac Greens Drive, GWMP, and Potomac Avenue	Construction access from Potomac Greens Drive, GWMP, and Potomac Avenue		
Contaminated Materials	nated • Potential to encounter contaminated materials during construction				
Noise and Vibration	Construction activities expected to impact only the closest residences in adjacent neighborhoods and any commercial properties in the vicinity of station construction and Metrorail track realignment.				

4.0 SECONDARY EFFECTS

This section describes the secondary effects of the No Build Alternative and three Build Alternatives. As defined in 40 CFR § 1508.8, secondary (or indirect) effects "are caused by the action and are later in time or farther removed in distance, but are still reasonably foreseeable. Indirect effects may include growth inducing effects and other effects related to induced changes in the pattern of land use, population density or growth rate, and related effects on air and water and other natural systems, including ecosystems." For the Potomac Yard Metrorail Station project, secondary effects are those effects related to the increased density of development that would occur under various alternatives. As noted earlier, the City of Alexandria has plans in place that allow additional development under Build Alternative B, and would likely amend plans to allow additional development under Build Alternative D. Potential secondary effects include:

- Increased traffic delays due to additional automobile trips;
- Degradation of water quality due to increase in impervious surfaces;
- Degradation of air quality due to increased traffic delays;
- Improvement of air quality due to increased transit mobility; and
- Visual effects from increased development in Potomac Yard.

4.1 No Build Alternative

Under the No Build Alternative, 9.25 million square feet of development would be permitted in the Alexandria portion of Potomac Yard by the year 2040.

Transportation

Under the No Build Alternative, no new Metrorail station would be constructed, and thus relatively little of the travel demand generated by the development is expected to be served by Metrorail. A certain portion of trips would be expected to use surface transit options in the corridor, including the CCPY Transitway, but transit mode share would not be maximized.

Neighborhoods and Community Facilities

The No Build Alternative would result in additional population and employment in Potomac Yard, which could place a strain on community facilities. However, small area plans of the City of Alexandria (*North Potomac Yard Plan*; *Potomac Yard/Potomac Greens Small Area Plan*) and Arlington County (*Potomac Yard Phased Development Site Plan*) address the adequate provision of community facilities for the population within Potomac Yard and surrounding areas, including the recently completed fire station in Potomac Yard and planned parks and open spaces.

Visual Resources

The No Build Alternative would include the construction of several tall buildings in North Potomac Yard (up to 250 feet maximum height; 100 to 180 feet maximum height along the eastern portion of the site), which could be visible from the George Washington Memorial Parkway and the Potomac Greens neighborhood.

Air Quality

The No Build Alternative would allow less development than the Build Alternatives, meaning that more development would need to be absorbed elsewhere in the region, possibly on greenfield (previously undeveloped) sites. The development of greenfields would increase the urban heat island effect, thereby worsening regional air quality. In addition, the No Build Alternative would result in higher VMT per capita, both from trips to and from Potomac Yard that would be taken by automobile instead of transit, as well as from auto trips elsewhere in the region, if new development is constructed on sites without transit access.

4.2 Build Alternatives

Each Build Alternative could result in between 2.025 million and 3.825 million square feet of additional development within Potomac Yard. As described above, for Build Alternative A and Alternative D the additional development assumes that the City of Alexandria amends the North Potomac Yard Small Area Plan and Coordinated Development District (CDD) 19 if either alternative is selected as its preferred alternative.

To varying degrees, the additional development would result in secondary effects on transportation, community facilities and services, and visual resources.

Transportation

The increased development in Potomac Yard under each Build Alternative would result in additional trips, including peak-period trips. However, the provision of a Metrorail station under the Build Alternatives would help to offset the additional trips in both the peak- and off-peak periods. The *Potomac Yard Multimodal Transportation Study* (2010) included estimates for mode split based on similar Metrorail station areas, as shown in **Table 4-1**. The provision of a Metrorail station in addition to a pedestrian- and bike-friendly environment with a strong local transit network would be expected to result in a high percentage of trips taken by transit, on foot, or by bicycle. The highest percentage of trips would be taken on transit for development adjacent to or within ¼-mile of the Metrorail station. For residential uses, a high transit mode split would be expected within ½ mile of the Metrorail station. Overall within the Potomac Yard area, the share of trips taken using non-automobile modes would increase from 29 percent to 34 percent of trips by 2040 under the Build Alternatives.

Ridership projections that include the additional development permitted under each Build Alternative show that the increased development would be expected to result in higher transit ridership. With the additional 3.85 million square feet of development included, Build Alternative B is projected to result in the highest Metrorail ridership, with 11,400 daily boardings at the Potomac Yard Metrorail station, as compared to 10,700 boardings under Build Alternative A and 10,800 boardings under Build Alternative D. See the *Transportation Technical Memorandum* in Volume III for more detail.

With the increase in permitted density, the travel demand model shows an increase in the number of automobile trips. However, the share of trips taken using modes other than the automobile would increase, compared to the No Build Scenario. Under each Build Alternative, the non-auto mode share would be expected to be 34 percent, compared to 29 percent under the No Build Alternative.

Table 4-1: Trip Generation Mode Split Assumptions

Land Use	Transit – Metrorail	Transit – Metrobus, DASH, and CCPY	Pedestrian and Bicycle	Auto	Total
Office (adjacent to transit station)	35%	11%	6%	48%	100%
Office (within ¼ mile of transit station)	21%	9%	6%	64%	100%
Residential (adjacent to transit station)	54%	1%	16%	29%	100%
Residential (within ¼ mile of transit station)	48%	1%	15%	36%	100%
Residential (within ¼ to ½ mile of transit station)	31%	5%	10%	54%	100%
Hotel	27%	8%	27%	36%	100%
Entertainment (theater)	26%	6%	11%	57%	100%
Retail (excluding large format)	29%	8%	27%	36%	100%
Retail (large format)	9%	5%	14%	73%	100%

Source: City of Alexandria, Potomac Yard Multimodal Study, 2010.

Neighborhoods and Community Facilities

The additional development permitted under each Build Alternative is projected to result in increases in population and employment within Potomac Yard. The increased population would in turn create a strain on community facilities, such as schools, parks, and recreational facilities. However, population and employment are also projected to occur under the No Build Alternative, and would also create a strain on these facilities. The small area plans of the City of Alexandria (North Potomac Yard Plan; Potomac Yard/Potomac Greens Small Area Plan) and Arlington County (Potomac Yard Phased Development Site Plan) address the adequate provision of community facilities for the population within Potomac Yard and surrounding areas. An example of the provision

of additional facilities in advance of projected development is the recently constructed fire station in Potomac Yard.

Water Resources

The additional density permitted under each of the Build Alternatives, with full build-out by 2040, would not be expected to result in an increase in impervious surfaces over the 3.7 million square feet permitted in North Potomac Yard without a Metrorail station. This is because the increased density would primarily be accommodated by constructing taller buildings, rather than developing additional land.

Visual Resources

The additional density in North Potomac Yard permitted under each of the Build Alternatives would include several tall buildings (up to 250 feet maximum height; 100 to 180 feet maximum height along the eastern portion of the site), which would be visible from the George Washington Memorial Parkway and the Potomac Greens neighborhood.

Air Quality

Each Build Alternative would contribute to an improvement in regional air quality by providing access to Metrorail. Each Build Alternative would divert approximately 4,000 trips per day from automobile to transit. The additional development permitted under each of the Build Alternatives, by providing many destinations in close proximity to residences, would also foster environments where residents, employees, and visitors could make many of their trips on foot or bicycle, thereby reducing automobile trips further. The additional development accommodated in a transit-accessible destination close to the region's core could also result in the development of fewer greenfield sites, thereby reducing the conversion of open space or agricultural land to housing, and reducing the urban heat island effect.

5.0 CUMULATIVE EFFECTS

This section describes the potential cumulative effects of the No Build Alternative and three Build Alternatives, when combined with the projects described in **Section 2.0**. **Table 5-1** summarizes the potential effects from construction of the CCPY Transitway, planned development in Potomac Yard, and the Build Alternatives. See **Table 3-1** for the effects specific to each Build Alternative.

Table 5-1: Potential Effects of Major Projects and Development

	CCPY Transitway	Recent Development*	Planned Development	Build Alternatives
	(2014)	(1999-2007)	(2040)	(2040)
Transportation	Minor increases to intersection delay; Improved transit service	Increased trips due to additional population	Intersection of East Glebe Road and U.S. Route 1 projected to operate at LOS E in AM and PM peak hours in year 2040	No additional effects to overall intersection LOS
Land Acquisitions	None	None	None	Permanent land acquisition
Neighborhoods, Demographics, and Community Resources	Improved access to transit will benefit neighborhoods	No effect	Visual impacts to views from Potomac Greens and neighborhoods west of U.S. Route 1	Improved mobility, increased economic activity, and visual impacts to views from Potomac Greens
Environmental Justice	Improved access to transit will benefit communities	No effect	No effect	Improved access to transit will benefit communities
Visual Resources	No effect	New buildings visible from GWMP	New buildings visible from GWMP, Potomac Greens, and neighborhoods to the west of U.S. Route 1	Impacts on views from Potomac Greens, Potomac Yard, and GWMP
Cultural Resources	No effect	No effect	No effect	Potential direct and indirect effects
Parklands	No effect	Public parks added as part of development	New public parks added as part of development	Build Alternatives would permanently occupy existing and planned parkland
Air Quality	Supports regional air quality goals by providing for dedicated transit improvements, increasing transit ridership and reducing VMT	Supports regional air quality goals by providing more housing in the core of the region, reducing VMT per capita	Supports regional air quality goals by providing more housing and destinations in the core of the region, reducing VMT per capita	Support regional air quality goals by providing access to the Metrorail system for trips to and from Potomac Yard, increasing transit ridership and reducing VMT
Noise and Vibration	No effect	No effect	No effect	Increased noise (Build Alternative D); increased vibration (Build Alternative A and Build Alternative D)
Water Quality	Increase in impervious surface	Increase in impervious surface	Increase in impervious surface	Increase in impervious surface
Wetlands	No effect	No effect	No effect	Permanent and temporary effects to wetlands
Floodplains	No effect	A portion of the Potomac Greens site was in the 100-year floodplain	No effect	Permanent and temporary effects to floodplains
Resource Protection Areas	No effect	Effect not known	No effect	Permanent and temporary effects to RPAs

	CCPY Transitway (2014)	Recent Development* (1999-2007)	Planned Development (2040)	Build Alternatives (2040)
Ecosystems and Endangered Species	No effect	Effect not known	No effect	Permanent and temporary effects to habitat areas
Sustainability	Promotes mass transit	Reduces VMT by locating residences near regional core	Promotes non-auto transportation modes by locating destinations in close proximity	Promotes mass transit
Contaminated Materials	No effect	Residential development constructed on the site of Potomac Yard, a former CERCLA site	Development will be constructed on the site of Potomac Yard, a former CERCLA site	Construction activities may encounter fly ash, cinder ballast, and residual contamination in soil and groundwater, requiring off-site disposal.
Economic Effects	No effect	Additional residential property tax receipts to City	Additional residential property tax receipts to City Additional sales tax revenue from new commercial businesses in Potomac Yard	Increase in property values within ¼-mile of Metrorail station
Construction Impacts	Traffic, noise, vibration, and dust due to construction activities	Construction completed	Traffic, noise, vibration, and dust due to construction activities	Traffic, noise, vibration, and dust due to construction activities

^{*} Recent development includes the Old Town Greens and Potomac Greens neighborhoods and the Arlington County portion of Potomac Yard.

5.1 No Build Alternative

The No Build Alternative would not result in any project-related cumulative effects. However, there are projects included in the No Build Alternative that may have direct and indirect effects within the study area on the resources identified. These projects and potential changes are unrelated to any of the Build Alternatives and would occur with or without the transit investment.

5.2 Build Alternatives

The potential cumulative effects are similar for each of the Build Alternatives, and are more closely related to the development planned for Potomac Yard. Cumulative effects are not expected for most of the resources analyzed in the Draft EIS, either because no direct effects are expected from this project or no direct effects are expected from other projects. The projects, other than the Build Alternatives, that are included in the cumulative effects analysis are located within existing rights-of-way or on previously developed land where effects would be limited, particularly in relation to natural resources. Based on potential effects from the Potomac Yard Metrorail Station project, recent and planned projects in the study area, the potential for cumulative effects is limited to the following resources:

- Transportation;
- Visual Resources;

- Water Resources; and
- Construction.

In addition, potential cumulative effects related to climate change, particularly with regard to flood risk, are discussed.

Transportation

The full development of Potomac Yard would contribute to additional vehicular trip generation in the study area. The *Potomac Yard Multimodal Transportation Study* (City of Alexandria, June 2010) assessed the traffic impacts of full build-out of North and South Potomac Yard in the year 2030. It should be noted that this analysis differs from the No Build condition of the Draft EIS transportation analysis, which assumes total build-out of 3.700 million square feet. The *Multimodal Study* assessed full build-out assuming the higher development levels allowed in Potomac Yard with a Metrorail station. The *Multimodal Study* found that all of the study intersections would operate acceptably with the exception of the following in the year 2030:

U.S. Route 1 and East Reed Avenue: LOS E
U.S. Route 1 and East Glebe Road: LOS F
U.S. Route 1 and Potomac Avenue: LOS E

The study found that additional intersection lanes or a better balanced distribution of traffic among all intersections and streets along U.S. Route 1 would allow for traffic to be accommodated acceptably. Specifically, the report recommends that the eastbound (Glebe Road) leg of the intersection be modified to provide an exclusive left-turn lane, through lane and right-turn lanes. While this improvement improves the eastbound operations, the overall intersection LOS stays as F. However, this finding also assumes that there would be pedestrian activity at this intersection at every cycle during the peak hour, and, therefore, is a conservative assumption. On cycles, when the pedestrian signal is not activated, the U.S. Route 1 mainline will receive more green time and perform at a better level of service.

Once the street network is in place in North Potomac Yard, low delay movements will attract traffic from high delay movements, which, in turn, will balance the delays among the various intersections along U.S. Route 1. This is one of the main purposes of having a street grid. According to the *Potomac Yard Multimodal Transportation Study* (June 2010), there are many intersections projected to operate with a LOS A or B along U.S. Route 1 in 2030, which indicates opportunities for this traffic redistribution to occur.

By 2040, the background traffic volumes would grow by another 10 percent from the 2030 levels. Note that this increase is related to the regional growth of traffic along U.S. Route 1 and not due to additional developments in Potomac Yard as the study assumed full build-out would occur by 2030. Therefore, the findings and recommendations for 2030 would still be valid. The overall delays would increase generally, but there would still be additional capacity to redistribute automobile traffic and provide a better balanced distribution on the roadway network.

Although some traffic conditions would worsen due to the cumulative effects of new development projects, the additional transit projects and improved pedestrian and bicycle network would expand travel options. The combination of a Metrorail station at Potomac Yard, the CCPY Transitway, and other planned transit improvements is expected to provide an extensive transit network within the study area. The planned development would be expected to support the transit network, through urban densities and transit-friendly urban design. The positive cumulative effect therefore would be improved mobility and accessibility in the Potomac Yard area.

Visual Resources

As documented in the *Visual Resources Technical Memorandum*, the Build Alternatives would result in visual impacts to the views from the GWMP, Potomac Greens, and Potomac Yard due to the introduction of new visual elements and removal of vegetation for construction access and staging areas. The vegetation would take a number of years to grow back. Visual elements include the stations and pedestrian bridges for all alternatives, as well as the elevated track and structures required for Build Alternative D. The proposed development in Potomac Yard would also be visible from Potomac Greens and the GWMP, and would reduce the quality of some views.

By 2040, built elements in the North Potomac Yard development, including buildings of up to 250 feet in height, would be visible from GWMP. Views from GWMP would be characterized by a roadway framed by vegetation with intermittent views of built elements. Additional development in Crystal City would be visible in the northern portion of the study area. Under the Build Alternatives, restored vegetation would grow to filter views of the Metrorail station from the parkway. It is unlikely that trees would reach a height and depth that would consistently block views of the station and facilities, although the vegetation would serve to screen views of the station and facilities.

Water Resources

The Build Alternatives would increase of impervious surface in the study area by varying degrees, as would the addition of buildings and roadways within Potomac Yard as part of the redevelopment of the area. Recent development in the study area has also added impervious surface. However, new development in North and South Potomac Yard is being completed in accordance with a Wastewater Master Plan that coordinates water supply, stormwater, and wastewater systems for the completed development. According to the plan, small on-site Low Impact Design (LID) techniques will be employed for new development in Potomac Yard, including green roofs, rain water harvesting, and bioretention to reduce the amount of stormwater generated and reuse the remaining stormwater to the greatest extent possible. Large-scale stormwater management has been implemented by the use of more traditional stormwater techniques such as retention ponds and structural best management practices (BMPs).

The Build Alternatives include varying degrees of direct effects to wetlands, floodplains, and other water resources. The construction of Potomac Greens included the addition of fill in portions of the 100-year floodplain in that area. However, none of the other planned projects considered as part of the cumulative effects analysis are expected to affect these resources.

Construction

It is likely that construction of any of the Build Alternatives would occur in tandem with construction of development within Potomac Yard. Therefore, cumulative effects are likely to occur from noise, vibration, dust, and traffic due to the construction activity from multiple projects at the same time. Potential mitigation measures are discussed in detail in the *Construction Impacts Technical Memorandum*.

Climate Change

The City of Alexandria Energy and Climate Change Action Plan 2012-2020 (2011) identified potential climate change risks and vulnerabilities in Alexandria, as well as common adaptation goals and suggestions for preparedness actions. Sea-level rise and the likely increase in hurricane intensity and associated storm surge were identified as among the most serious consequences of climate change. Decreased water availability was identified as being likely to affect the City's economy as well as its natural systems. Increases in air and water temperatures would likely cause heat-related stresses for people, plants, and animals.

Based on these projections, portions of Build Alternatives B and D have the potential to be affected by sea-level rise during the design life of the station. The City of Alexandria's Climate Change Action Plan identifies areas of the City along the Potomac River and its tributaries that are vulnerable to sea-level rise by the year 2100. The plan cites a range of sea level-rise projections based on several global climate models that result in a rise in the median sea level during high tide from the current high tide level of approximately 2 feet NAVD88 in the year 2012 to 2.94 to 4.96 feet NAVD88 by the year 2100.1 For the 50-year design life of the project, the projected median sea level during high tide cited in the plan is approximately 2.6 to 3.6 feet NAVD88 by the year 2066. As described in Water Resources Technical Memorandum, portions of Build Alternatives B and D would be built on retained fill within the 100-year floodplain; both alternatives have realigned track at an elevation of 25 feet NAVD88, and the Build Alternative B station platform is also at an elevation of 25 feet NAVD88, which are above the current 100-year Base Flood Elevation of 10 feet NAVD88 (FIRM datum). The Climate Change Action Plan anticipates flood events with more intense tidal storm surges related to sea level rise. Potential mitigation measures related to flood zones are discussed in the Water Resources Technical Memorandum. The City of Alexandria's Climate Change Action Plan includes a list of actions to reduce damage from erosion, flooding events, sea-level rise, and high wind events. Potential actions to be implemented by the City include an updated flood management program, updated building codes to require more flood-resistant structures in floodplains, and building design standards to withstand high wind events.

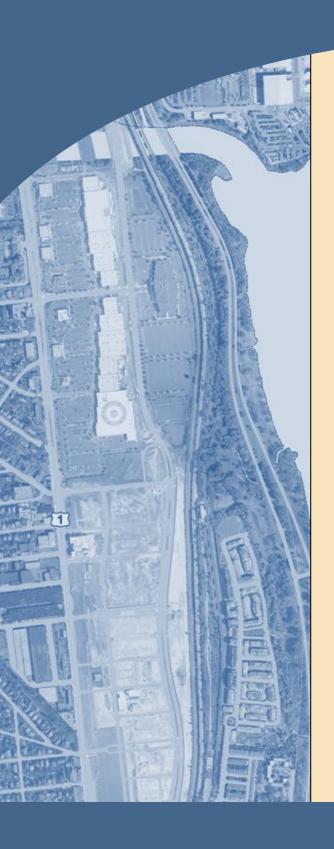
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¹ Elevations are in relation to current sea level as measured by the North American Vertical Datum 1988 (NAVD), which is the standard reference elevation for sea level. The current 2012 median high tide level along the Potomac River waterfront in the City of Alexandria is approximately 2 feet above NAVD sea level.

6.0 MITIGATION

Mitigation measures specific to transportation, visual resources, and water quality are described in the relevant sections of the Draft EIS and associated technical memoranda. Coordination of projects during construction phases would avoid redundant activities and maintain adequate traffic operations and access to residences and businesses within the study area.

POTOMAC YARD METRORAIL STATION ENVIRONMENTAL IMPACT STATEMENT



Construction Impacts Technical Memorandum

February 2013

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APPENDIX: REFERENCES

1.0 INTRODUCTION

The Federal Transit Administration (FTA), as the lead federal agency, and the City of Alexandria, as the project sponsor and joint lead agency, have prepared a Draft Environmental Impact Statement (Draft EIS) in accordance with the National Environmental Policy Act (NEPA) for the proposed Potomac Yard Metrorail Station ("the project"). The Draft EIS has been prepared in cooperation with the Washington Metropolitan Area Transit Authority (WMATA) and the National Park Service (NPS).

This technical memorandum describes the potential temporary construction impacts that could result from the construction of the Build Alternatives. At this planning phase, the duration of project construction is estimated to be approximately two years. Construction activities would include clearing, grubbing, and leveling for realigned tracks, station facilities and pedestrian bridge entrance pavilions; construction of new embankments for track; construction of retaining walls; construction of piers or bents for aerial sections of track and platforms; drilling shafts and driving piles for structural foundations; and fill activities. During the construction period, the following types of temporary impacts could result: periodic interruptions to Metrorail service, freight rail operations and roadway traffic; construction truck traffic on area public streets and national parkways; relocations of utilities; noise and vibration effects to adjacent uses and structures; and temporary use of adjacent parcels for construction staging areas.

The assessment of temporary construction impacts is preliminary and based on the current conceptual level of design developed at the EIS phase of the project. The types and levels of potential impacts from the project Build Alternatives are subject to revision through the design and development review processes, with a goal to further avoid or minimize impacts to the maximum extent practicable.

The findings of this analysis are incorporated into the Draft EIS.

1.1 Project Alternatives

The Draft EIS evaluates a No Build Alternative and three Build Alternatives. Each Build Alternative includes the same area improvements as the No Build Alternative in addition to construction and operation of a Metrorail station.

1.1.1 No Build Alternative

The No Build Alternative is defined as the existing highway and transit network and committed transportation improvements from the National Capital Region Transportation Planning Board's Financially Constrained Long Range Plan (CLRP). The Draft EIS assumes that any improvements that are anticipated to be implemented by the project horizon year, whether physical or operational, are part of the No Build Alternative, with the exception of the new Metrorail Station at Potomac Yard.

The No Build Alternative includes the build-out of an internal street network within Potomac Yard (roughly from Four Mile Run to Braddock Road) and additional investments in transit and bicycle/pedestrian facilities, including a pedestrian bridge over the Metrorail and CSX Transportation (CSXT) rights-of-way between Potomac Greens and Potomac Yard. Anticipated transit investments include the Crystal City/Potomac Yard (CCPY) Transitway and an expansion of local transit service. The No Build Alternative also includes an off-street, multi-use trail through the planned linear park between Potomac Avenue and the CSXT right-of-way. This new off-street, multi-use trail will enhance access to the existing regional trail network, which serves both recreational users and commuters.

1.1.2 Build Alternatives

The Build Alternatives are described below and shown in **Figure 1-1** and **Error! Reference source not found.**.

Figure 1-1: Build Alternatives

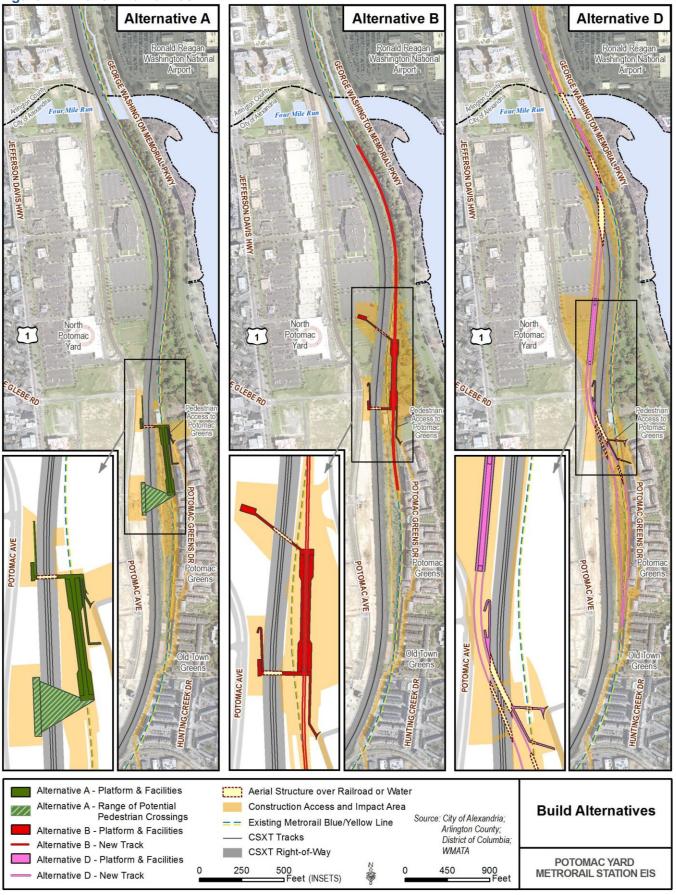


Table 1-1: Build Alternatives

Alternative	Type and Layout	Track Work	Facilities for Station Access	Additional Structures Required
Build Alternative A	At-grade, side platform	Minimal track work	Two pedestrian bridges over CSXT right-of-way; access to Potomac Greens via walkway	None
Build Alternative B	At-grade, side platform	Moderate track work	Two pedestrian bridges over CSXT right-of-way; access to Potomac Greens via walkway	Structures (retaining wall) to support new track and station
Build Alternative D	Aerial, center platform	Major track work	One pedestrian bridge over CSXT right-of-way to provide access between Potomac Yard and Potomac Greens	Two aerial structures over CSXT right-of-way, one Metrorail bridge over Four Mile Run, aerial track and supports, and retaining wall replacement on the east and west sides of the tracks north of the existing Metrorail portal. New structures would pass over the existing Metrorail tracks, which would be removed following construction.

Note: track work for Build Alternatives B and D assumes existing Blue and Yellow Line Metrorail track would be removed where track is realigned.

Build Alternative A

Build Alternative A would be located between the CSXT right-of-way and the north end of the Potomac Greens neighborhood in the existing Metrorail Reservation easement designated during earlier planning efforts for the Potomac Yard area. The station would be at-grade with a side platform layout. Additional station facilities would include two pedestrian bridges from the station over the CSXT right-of-way to the planned development in Potomac Yard. The bridge at the northern end of the station would provide 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood.

Build Alternative A would require minimal track realignment within the station area and would include construction of a double crossover located approximately 900 feet south of the station.

Build Alternative B

Build Alternative B would be located between the George Washington Memorial Parkway (GWMP) and the CSXT right-of-way, north of the Potomac Greens neighborhood, and east of the existing Potomac Yard Shopping Center and the CSXT right-of-way. The station would be at-grade. Additional station facilities would include two pedestrian bridges from the station over the CSXT right-of-way to the planned development in Potomac Yard. The bridge at the southern end of the station would provide 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood.

Build Alternative B would require the realignment of approximately 650 feet of existing track, as well as the installation of approximately 1,450 feet of new track. Special track work – a double crossover – would be required approximately 100 feet north of the station.

The new track and station would be built on retained fill, and a new retaining wall would be constructed on the east side of the track and station to support the structures.

Build Alternative D

Build Alternative D would be located west of the CSXT right-of-way near the existing Potomac Yard Shopping Center. The station would be aerial with a center platform layout. One pedestrian bridge over the CSXT right-of-way would be constructed, providing 24-hour pedestrian/bicycle access between Potomac Yard and the Potomac Greens neighborhood. The pedestrian bridge would be parallel to the adjacent new Metrorail bridge over the CSXT right-of-way.

Build Alternative D would require the realignment of approximately 550 feet of existing track, as well as the installation of approximately 5,800 feet of new track. The majority of new track would be elevated. Build Alternative D would also include construction of two Metrorail aerial bridges crossing the CSXT right-of-way to the north and south of the station, and a new, single span, aerial structure over Four Mile Run. Construction of a double crossover would be required in a location approximately 100 feet north of the station. Following completion of construction, the old Metrorail tracks would be removed from service.

Additional structural improvements would include the removal and replacement of the existing retaining wall near the Potomac Greens neighborhood and the removal of an additional retaining wall west of the existing Metrorail tracks, north of the portal at the southern end of the neighborhood.

1.1.3 Construction Staging and Laydown Areas

Figure 1-1 illustrates the locations of construction staging and access points specific to each Build Alternative. A staging area is a designated area where vehicles, supplies, and construction equipment are positioned for access and use adjacent to or nearby the immediate construction site. Areas designated for staging would be cleared of all trees and other natural vegetation and filled in or leveled as necessary to make construction activities possible. After the completion of construction activities, the areas would be replanted and landscaped according to their prior uses in coordination with associated stakeholders.

1.1.4 Adjacent Buildings and Infrastructure

Geotechnical engineering performed for projects in the same general area indicate that station and bridge pier structures may need to be constructed on pile foundations. The pile driving process would have sound and vibration impacts and may result in soil settlement in locations near station and pier construction. Significant soil settlement and vibration could damage existing foundations, roads and utilities. Best management practices adopted during construction may help to minimize some of the impacts of piling.

1.2 Methodology

Construction impacts of each Build Alternative were assessed by reviewing existing site conditions and proposed construction staging areas and access points and consulting WMATA and CSXT regarding their procedures for construction activities occurring near or within track right-of-way. Existing utilities, railroads, roadways and properties adjacent to each Build Alternative were identified through GIS data provided by the City of Alexandria and Arlington County, topographic maps, aerial photographs, WMATA as-built drawings, U.S. Geological Survey data, and information gathered from site visits. Proposed construction staging areas and access points were determined through assessing the construction needs of each Build Alternative and the opportunities presented in the vicinity of the project.

2.0 POTENTIAL EFFECTS

The construction of each of the Build Alternatives would result in varying degrees of temporary disruption to Metrorail and CSXT operations, utilities, national parkways, roads, and adjacent properties and neighborhoods that are located within the project area. This section describes the potential construction impacts on each resource area analyzed in the Draft EIS. Acreages of temporary construction impact areas exclude permanent impact areas and include only those areas that would be temporarily occupied or otherwise impacted by construction activities during the duration of project construction but restored or returned to their former use or condition afterwards.

2.1 Transportation

2.1.1 Metrorail Operations

Each Build Alternative impacts Metrorail operations as detailed below. Track shutdowns would close Metrorail service between the Ronald Reagan Washington National Airport station and Braddock Road station, require the use of temporary bus shuttle service to transport riders between the two stations, and be limited to a maximum outage of 76 hours at a time per WMATA standards. All necessary single-tracking, shutdowns, and testing would be conducted in compliance with WMATA policies. Potential mitigation measures are discussed in **Section 3.0**.

Build Alternative A

Build Alternative A would be constructed around the existing Metrorail tracks and during regular operating hours of Metrorail service by using a temporary falsework tunnel-like enclosure. The falsework would be built during track closures or overnight periods. Once finished, it would allow construction activities to progress with minimal impact on existing rail service. When the majority of the station is complete, the removal of the falsework tunnel and construction of the double-crossover would occur concurrently during a single shutdown. Near the end of construction, pre-cast platform sections would be installed and require Metrorail service through the site to be single-tracked. Pedestrian bridges and station finishes would be completed without impacting Metrorail service.

Build Alternative B

Build Alternative B would be constructed along new tracks east of the existing Metrorail tracks during regular operating hours of Metrorail service. The majority of the new station would be built and all trackwork, including the crossover, would be constructed up to the existing Metrorail right-of-way without any service disruptions. Rail service between the Ronald Reagan Washington National Airport station and Braddock Road station would be shut down to make the final connection between the new track and the existing track. When the lines reopen, trains would operate on the new track and pass through the unfinished station without stopping until the station is opened for service. Pedestrian bridges and station finishes would be completed without impacting Metrorail service.

Build Alternative D

Build Alternative D station would be constructed on new track west of the existing Metrorail tracks, which could occur during regular operating hours of Metrorail service. The majority of the station and adjacent trackwork, including the crossover, located to the west of CSXT would be completed without disrupting service.

Installation of the aerial track sections over the existing Metrorail and CSXT rights-of-way would require service shutdowns. Once clear of existing WMATA and CSXT track, the remaining trackwork would be completed up to the existing Metrorail right-of-way without any service disruptions. The southernmost track section just north of the portal would require demolishing and rebuilding existing retaining walls due to space limitations. Rail service between National Airport and Braddock Road stations would be shut down to make the final connection between the new track and the existing track. When the lines reopen, trains would operate on the new track and pass through the unfinished station without stopping until the station is opened for service. Following completion of construction, the old Metrorail tracks would be removed from service.

The pedestrian bridge and station finishes would be completed without impacting Metrorail service and the existing Metrorail bridge over Four Mile Run would be abandoned when the new bridge is complete.

2.1.2 CSXT Right-of-Way and Operations

The Build Alternatives are adjacent to the CSXT three-track north-south Richmond, Fredricksburg and Potomac Railroad (RF&P) Sub-Division Mainline, which hosts 96 freight and passenger trains daily with a track speeds of 60 mph for passenger operations and 55 mph for freight operations. Performing construction activities near this busy rail corridor introduces constraints to the means and methods of work.

Each Build Alternative proposes pedestrian bridge crossings of the CSXT right-of-way and Alternative D also includes two Metrorail bridge crossings of the rail line. Installation of any elements over CSXT, including structure and falsework, requires a pre-planned outage on CSXT track. At the end of the outage, all structural elements must be secured such that they will not dislodge and become a hazard to CSXT, Amtrak and Virginia Railway Express (VRE) rail operations. In addition, construction access for each alternative proposes to use an existing substation service road. To allow construction equipment access to the north of the substation, an easement would be required due to the narrow width between CSXT property and the substation building.

Construction activities which occur on CSXT property or within 25 feet of CSXT track, or which involve construction equipment or activities that in the event of a structural or mechanical failure or other type of accident could result in disturbances within 25 feet of CSXT track would be considered by CSXT to "foul the track." When construction activities involve fouling of track, CSXT would require one or more CSXT flagmen on site to verify that the railroad is clear for safe passage of trains. CSXT would furnish the required flagman protection services at the expense of the project, and the project team would need to remain in constant contact with the flagman when construction activities affect CSXT tracks. Construction activity occurring within the foul zone of CSXT track would be required to stop with equipment secured or moved clear of the foul zone within a few minutes' notice to allow the passage of trains. Construction activities which cannot be stopped, moved in the clear and secured, within a few minutes' notice would require a pre-planned outage of railroad operations. Pre-planned outages require several months of planning to allow CSXT time to modify their operations and continue providing service to their customers, as well as other railroads that operate on their track. Timing of these outages would be at the discretion of CSXT and subject to change. Outages permitted by CSXT are typically no more than six hours in duration.

2.1.3 Public Roadways and Private Driveways

Each Build Alternative would impact public roadways and private drives due to temporary construction access and routing of construction vehicles, which will be determined in final design and approved by City Council. The roadway operations of Potomac Avenue, Potomac Greens Drive, and the substation access road would be affected during construction. Potential intersections with impacts would include the intersection of GWMP and Slaters Lane, Slaters Lane and West Abingdon Drive, Slaters Lane and Potomac Greens Drive, Slaters Lane and Route 1, and East Glebe Road and Route 1; however, these may change as the construction access routes are refined when the project design is advanced. In addition, construction of Build Alternatives B and D would use temporary access through GWMP, which would involve effects on roadway operations in the vicinity of the access points.

Temporary lane closures would be required on public roads that have more than two lanes, and flagmen would be used on smaller two-lane roads to direct vehicle movements and allow construction vehicles to access the building sites. Temporary closures of sidewalks and multi-use paths (e.g., path along Potomac Avenue) would require signage directing pedestrians and bicyclists to alternate routes during the duration of the closure. In addition, heavy wear and tear to roadways due to construction equipment would be expected for all Build Alternatives. Any adjustments to traffic patterns or closures would be coordinated with and approved by the appropriate authorities.

Bus transit routes along Potomac Avenue could be affected by temporary lanes closures and construction activities in the vicinity of stop locations, requiring potential relocations of stops and re-routing for short durations.

2.2 Land Use and Property Access

Construction staging and access would require the temporary use of parcels adjacent to the proposed alignment and station for construction activity. **Figure 2-1** on the following page shows existing property ownership within areas proposed for construction access, staging, and material laydown for each Build Alternative. Temporary construction easements would be needed for each Build Alternative.

Table 2-1 lists construction impacts to the Greens Scenic Area easement. The perpetual scenic easement acquired by the NPS in 2000 prohibits most improvements, clearing, and grading, except for uses such as light passive recreation and underground utilities. Each of the Build Alternatives would temporarily impact the scenic easement to varying degrees. None of the Build Alternatives could proceed unless the easement is released by NPS, subject to an equal value exchange in property or interest in property per 16 U.S.C. 460(I)(22). Due to the relatively small areas of impact to the scenic easement, potential re-design of the proposed construction staging areas for Build Alternatives A and D would be pursued to avoid the scenic easement.

Table 2-1: Potential Construction Impacts to the Greens Scenic Area Easement

	Build	Build	Build	
Type of Impact	Alternative A	Alternative B	Alternative D	
	(acres)	(acres)	(acres)	
Temporary ¹	0.13	3.19	0.02	

¹Acreage excludes areas with permanent property impacts

2.2.1 Build Alternative A

Construction of Build Alternative A would require temporary use of parkland as staging areas. This use is described in the Parklands resource section below.

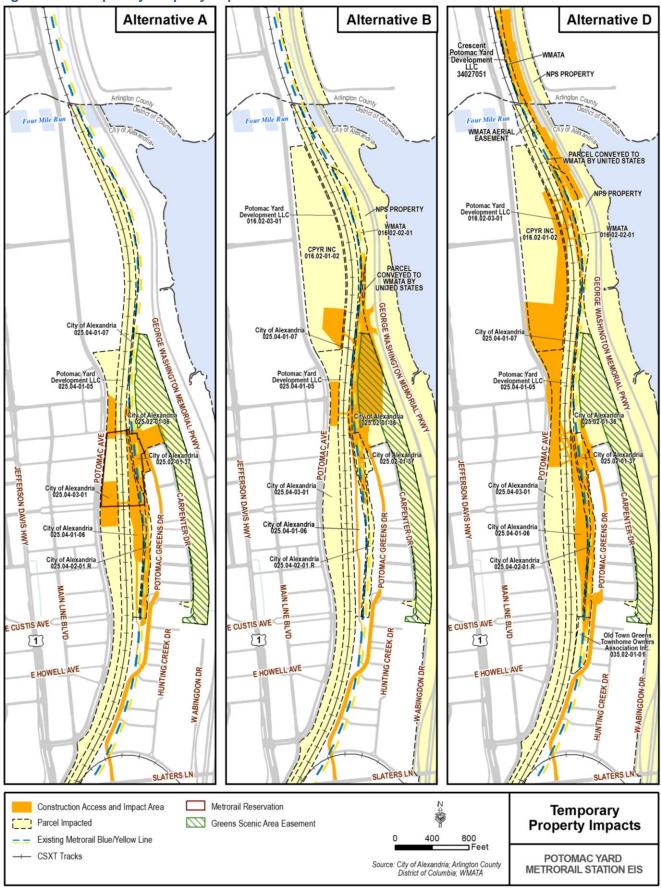
2.2.2 Build Alternative B

Construction of Build Alternative B would require temporary use of parkland as staging areas. This use is described in the Parklands resource section below.

2.2.3 Build Alternative D

Construction of Build Alternative D would require temporary use of parkland as staging areas. The temporary use of parkland is described in the Parklands resource section below. Construction of Build Alternative D would also require temporary use of a relatively small portion of the existing parking lot associated with the Potomac Yard retail center for construction staging.

Figure 2-1: Temporary Property Impacts



2.3 Consistency with Local Plans

Construction of the Build Alternatives would not affect consistency with local plans, as any construction-related impacts would be temporary and would not preclude implementation of future plans.

2.4 Neighborhoods and Community Resources

Each Build Alternative would impact residential neighborhoods adjacent to the project, specifically the Potomac Greens, Old Town Greens, and South Potomac Yard neighborhoods. Construction vehicles would use Potomac Greens Drive and Potomac Avenue for access to construction sites in all of the Build Alternatives. Some construction activities would take place at night when Metrorail revenue service is not operating and would require vehicular access through neighborhoods and the use of temporary lighting adjacent to residential developments. The use of lighting would comply with applicable City of Alexandria ordinances.

Staging activities would occur on portions of Potomac Greens Park and Potomac Yard Park, restricting use by neighborhood residents of those portions of the parks during the duration of adjacent construction activities. Potential visual effects of construction staging and laydown areas are described in the Visual Resources section below.

Economic benefits of construction activities would generally occur at the regional level, with potential for local neighborhood businesses and workers to share a portion of those benefits. Economic impacts are discussed in more detail in the Economic Effects section below.

2.5 Environmental Justice

Construction activity for the Build Alternatives would be concentrated to the east of the CSXT right-of-way, with some activity west of the CSXT right-of-way within the Potomac Yard development. The majority of low-income and minority residents live to the west of U.S. Route 1, outside of the study area. Therefore, no adverse or disproportionate effects are expected for minority or low-income residents due to construction activities.

As noted in **Section 2.4**, economic benefits of construction activities have the potential to be shared with local businesses and workers.

2.6 Visual Resources

Temporary impacts to visual resources could result from the following project construction activities: the removal of vegetation for construction staging, the location of construction equipment, and the provision of temporary vehicular access to GWMP. Potential best management practices and mitigation measures are discussed in **Section 3.0**.

2.6.1 Build Alternative A

Under Build Alternative A, temporary construction impacts would occur due to the removal of vegetation and the location of construction equipment; there would be no vehicular access from GWMP. Construction would greatly alter the viewshed of Potomac Greens Park by removing landscape and visitor use facilities, such as the existing gazebo. A portion of Potomac Yard Park would be used as a staging area, impacting the viewshed by removing vegetation and park facilities. Therefore, the short-term impacts on views from Potomac Greens would be substantial.

2.6.2 Build Alternative B

Under Build Alternative B, construction staging would remove much of the vegetation that currently provides a visual barrier between GWMP and the proposed location of the Metrorail station. The construction access point from the Parkway would interrupt the continuous visual line created by the roadway. Construction activity would be located relatively close to GWMP with little visual barrier, noticeably altering the green appearance of the construction site. Construction equipment would be placed within viewsheds, including Potomac Greens Park, thereby introducing new features not previously present. A portion of Potomac Yard

Park would be used as a staging area, impacting the viewshed by removing vegetation and park facilities. As a result, there would be substantial short-term adverse impacts.

2.6.3 Build Alternative D

Under Build Alternative D, construction staging would require the removal of a portion of the vegetation that serves as a visual barrier along GWMP, most notably in the vicinity of Four Mile Run. In addition, the construction access points from GWMP would interrupt the continuous visual line created by the Parkway. Construction activity would be located relatively close to the parkway with little visible barrier, noticeably altering the green appearance of the construction site. A portion of the Potomac Greens Park would be used as a staging area, altering the layered vegetated elements resulting in substantial temporary adverse impacts. However, impacts to the views of Potomac Greens Park would be less substantial that the impacts from Alternative B. From Potomac Yard, the construction staging would alter views of existing asphalt parking lots and a portion of Potomac Yard Park to that of a construction zone. A portion of Potomac Yard Park would be used as a staging area, impacting the viewshed by removing vegetation and park facilities. As a result of changes to the views along GWMP from Potomac Greens and Potomac Yard, there would be substantial adverse impacts.

2.7 Cultural Resources

Potential adverse effects to historic architectural and archaeological resources would result from construction of temporary access driveways and clearing of vegetation for construction staging areas. Temporary visual effects are described in **Section 2.6**.

Three known historic architectural resources listed in the National Register of Historic Places and the Virginia Landmarks Register: the Mount Vernon Memorial Highway (MVMH), GWMP, and the Parkways of the National Capital Region (PNCR). The MVMH falls within the boundaries of GWMP, and GWMP is included as part of the PNCR. GWMP may be adversely affected by the project. The listed acreages of temporary construction impacts to GWMP do not include acreage that would be permanently displaced by the Build Alternatives.

While some construction effects to historic architectural resources could be temporary, all adverse effects to archaeological resources due to excavation, grading, cutting and filling, and utility installation activities would be considered permanent. Archaeological resources may be present on Site 44AX0221, an eighteenth-through nineteenth-century domestic site possibly associated with the historic Preston Plantation and on Site 44AX0222, the location where a buried intact historic Belgian block masonry feature predating 1957 was found. Both sites are potentially eligible for inclusion in the NRHP and the VLR.

Potential mitigation measures are discussed in **Section 3.0**.

2.7.1 Build Alternative A

Build Alternative A would not require construction access from GWMP, or clearing of vegetation alongside GWMP for construction staging areas. Therefore, it is anticipated that Build Alternative A would have no effect to GWMP. Build Alternative A would have no construction effects on archaeological resources

2.7.2 Build Alternative B

Construction activities associated with Build Alternative B would have direct and indirect effects on GWMP as per 36 CFR Part 800.5(a)(1-2). Specifically, construction activities associated with Build Alternative B may cause "damage to ... part of the property" and/or change "of physical features within the property's setting that contribute to its historic significance". Construction of Build Alternative B would require the temporary use of 0.74 acres of GWMP. If avoidance of Sites 44AX0221 and 44AX0222 is not possible, construction of temporary access roads would likely cause direct adverse effects resulting from damage to all or part of the property, and indirect effects resulting from the potential transfer of land out of federal ownership. Other direct adverse effects to both resources would result from superficial soil disturbance and soil compression caused by the construction of temporary access roads. Design-based avoidance for effects to NRHP and VLR eligible archaeological resources would be developed in later project design phases

based on further Phase II archaeological evaluations and in accordance with the ongoing Section 106 review process.

2.7.3 Build Alternative D

Construction activities associated with Build Alternative D would have direct and indirect effects on GWMP as per 36 CFR Part 800.5(a)(1-2). Specifically, construction activities associated with Build Alternative D may cause "damage to all or part of the property" and/or change "of physical features within the property's setting that contribute to its historic significance". Construction of Build Alternative D would require temporary use of 2.40 acres of GWMP. If avoidance of 44AX0220 is not possible, construction of temporary access roads would likely cause direct adverse effects resulting from damage to all or part of the property, and indirect effects resulting from the potential transfer of land out of federal ownership. Other direct adverse effects to 44AX0220 would result from superficial soil disturbance and soil compression caused by the construction of temporary access roads. Design-based avoidance for effects to NRHP and VLR eligible archaeological resources would be developed in later project design phases based on further Phase II archaeological evaluations and in accordance with the ongoing Section 106 review process.

2.8 Parklands

Temporary construction impacts to parklands are summarized in **Table 2-2**. The listed acreages of temporary construction impacts do not include acreage that would be permanently displaced by the Build Alternatives. Potential best management practices and mitigation measures are discussed in **Section 3.0**.

Table 2-2: Temporary Construction Impacts to Parklands

Park	Opening Year Ownership	Total Area of Park (acres)	Temporary Impact (acres)	Area Affected (percent of total area)			
Build Alternative A							
Potomac Greens Park	City of Alexandria	20.54	1.61	7.8%			
(Greens Scenic Area Easement)	(NPS)	(15.19) ⁽¹⁾	$(0.13)^{(1)}$	$(0.9\%)^{(1)}$			
Rail Park	City of Alexandria	4.21	1.79	42.5%			
Potomac Yard Park (South)	City of Alexandria	13.58 ⁽²⁾	1.40	10.3%			
Potomac Yard Park (North)	City of Alexandria	2.61	0.00	0%			
Build Alternative B							
George Washington Memorial Parkway	NPS	37.09 ⁽²⁾	0.74	2.0%			
Potomac Greens Park	City of Alexandria	20.54	3.43	16.7%			
(Greens Scenic Area Easement)	(NPS)	$(15.19)^{(1)}$	$(3.09)^{(1)}$	$(20.3\%)^{(1)}$			
Rail Park	City of Alexandria	4.21	0.96	22.8%			
Potomac Yard Park (South)	City of Alexandria	13.58 ⁽²⁾	0.75	5.5%			
Potomac Yard Park (North)	City of Alexandria	2.61	0.34	13.0%			
Build Alternative D							
George Washington Memorial Parkway/	NPS	37.09 ⁽²⁾	2.40	6.5%			
Mount Vernon Memorial Highway	NF3	37.09	2.40	0.3%			
Potomac Greens Park	City of Alexandria	20.54	0.40	1.9%			
(Greens Scenic Area Easement)	(NPS)	$(15.19)^{(1)}$	$(0.02)^{(1)}$	(0.1%) ⁽¹⁾			
Rail Park	City of Alexandria	4.21	1.71	40.6%			
Potomac Yard Park (South)	City of Alexandria	13.58 ⁽²⁾	2.12	15.6%			
Potomac Yard Park (North)	City of Alexandria	2.61	1.29	49.4%			

¹ Area within parenthesis refers to the Greens Scenic Area easement.

2.8.1 Build Alternative A

Potomac Greens Park

Construction of Build Alternative A would temporarily occupy 1.61 acres of Potomac Greens Park, restricting use of the park by the public during the duration of construction activities. Construction activities would also impact 0.13 acre of the Greens Scenic Area easement. The construction staging area for Build Alternative A would include portions of the existing Potomac Greens Park, removing the existing open area, trees, fencing and playground. Once completed, the project would re-establish the Potomac Greens Park and install new

² Area within the Study Area.

landscaping and park facilities. In addition, construction staging would require the removal of the existing vegetation bordering the Metrorail tracks west of the Potomac Greens neighborhood. If the proposed construction staging area could not be redesigned to avoid the scenic easement, Build Alternative A could not proceed unless the easement is released by NPS, subject to an equal value exchange in property or interest in property per 16 U.S.C. 460I-22.

Potomac Yard Park

Construction of Build Alternative A would temporarily occupy 1.40 acres of the planned Potomac Yard Park, restricting use of portions of the park by the public during the duration of adjacent construction activities. The trees and vegetation along the Metrorail tracks that provide a visual barrier to Potomac Greens and the Metrorail tracks would be removed as part of the construction staging process. Once completed, the project would install new landscaping and park facilities.

Rail Park

Construction of Build Alternative A would temporarily occupy 1.79 acres of the planned Rail Park, restricting use of the park by the public during the duration of construction activities. Once completed, the project would re-establish Rail Park and install new landscaping. In addition, construction staging would require the removal of the existing vegetation bordering the Metrorail tracks and CSXT tracks west of the Potomac Greens neighborhood.

2.8.2 Build Alternative B

George Washington Memorial Parkway

Construction of Build Alternative B would temporarily occupy 0.74 acre of GWMP. Construction staging would require two temporary driveways for construction vehicle access from the Parkway and removal of vegetation in these areas. All Parkway facilities would remain open for public use, and the roadway would remain open to general vehicular traffic in both directions of travel during the duration of construction, although temporary lane closure of a portion of one southbound lane in the vicinity of the construction access areas would be required. The areas of the park to be used are not currently used for recreational activities.

Potomac Greens Park

Construction of Build Alternative B would temporarily occupy 3.43 acres of the Potomac Greens Park, restricting use of the park and trails within the Potomac Greens Park during the duration of construction activities. Construction activities would also impact 3.09 acres of the Greens Scenic Area easement. Construction of the proposed station would remove the existing vegetation, including trees that provide a visual buffer to the CSXT tracks and Potomac Yard from the Potomac Greens Park. Once completed, the project would re-establish park facilities and vegetation. Build Alternative B could not proceed unless the easement is released by NPS, subject to an equal value exchange in property or interest in property per 16 U.S.C. 460I-22.

Rail Park

Construction of Build Alternative B would temporarily occupy 0.96 acres of the planned Rail Park, restricting use of the park by the public during the duration of construction activities. Once completed, the project would re-establish Rail Park and install new landscaping.

Potomac Yard Park

Construction of Build Alternative B would temporarily occupy 1.09 acres of the planned Potomac Yard Park, restricting use of portions of the park by the public during the duration of adjacent construction activities. The trees and vegetation along the Metrorail tracks that provide a visual barrier to the Metrorail tracks would be removed as part of the construction staging process. The existing fence that lines the eastern portion of the Potomac Yard, existing vegetation along the fence, and the CSXT tracks would remain. Park facilities and vegetation would be impacted by the construction activities. Once completed, the project would re-establish the Potomac Yard Park and install new landscaping and park facilities.

2.8.3 Build Alternative D

George Washington Memorial Parkway

Construction of Build Alternative D would temporarily occupy 2.40 acres of GWMP. Construction staging would require the removal of a portion of the vegetation along GWMP, most notably in the vicinity of Four Mile Run. Construction activity would be located relatively close to the parkway with little visible barrier, noticeably altering the green appearance of the construction site. All parkway facilities would remain open for public use, and the roadway would remain open to general vehicular traffic in both directions of travel during the duration of construction, although temporary lane closure of a portion of one southbound lane of in the vicinity of Four Mile Run would be required. The areas of the park to be used are not currently used for recreational activities.

Potomac Greens Park

Construction of Build Alternative D would temporarily occupy 0.4 acres of Potomac Greens Park, restricting use of portions of the park by the public during the duration of adjacent construction activities. A portion of the park would be used as a staging area, altering the layered vegetated elements. Construction activities would impact 0.02 acres of the Greens Scenic Area easement. Once completed, the project would reestablish park facilities and vegetation. If the proposed construction staging area could not be redesigned to avoid the scenic easement, Build Alternative D could not proceed unless the easement is released by NPS, subject to an equal value exchange in property or interest in property per 16 U.S.C. 460I-22.

Rail Park

Construction of Build Alternative D would temporarily occupy 1.71 acres of the planned Rail Park, restricting use of the park by the public during the duration of construction activities. Once completed, the project would re-establish Rail Park and install new landscaping.

Potomac Yard Park

Construction of Build Alternative D would potentially temporarily occupy 3.41 acres of the planned Potomac Yard Park, restricting use of portions of the park by the public during the duration of adjacent construction activities. Once completed, the project would re-establish park facilities and vegetation. From Potomac Yard, the construction staging would alter views of existing asphalt parking lots and a portion of Potomac Yard Park to that of a construction zone.

Four Mile Run Trail

Construction of Build Alternative D would require a temporary use of Four Mile Run Trail. During construction of the Metrorail bridge over Four Mile Run, the trail segment underneath the new bridge may be closed to the public for a period of no more than six months. During construction periods, proper signage would direct trail users to alternate routes.

2.9 Air Quality

Construction activities can result in short-term impacts on ambient air quality. These potential impacts include direct emissions from construction equipment and trucks, increased emissions from motor vehicles on the streets and GWMP due to disruption of traffic flow, and fugitive dust emissions resulting from demolition, ground excavation, material handling and storage, movement of equipment at the site, and transport of material to and from the site. These impacts would be temporary, and would affect only the immediate vicinity of the construction sites and their access routes.

Temporary impacts due to construction were evaluated qualitatively with a focus on control measures that could be implemented to minimize potential impacts in the community. Emissions from project-related construction equipment and trucks are expected to be insignificant with respect to compliance with National Ambient Air Quality Standards (NAAQS). During final design, when details of the final alignment are determined, another review of the potential construction impacts may be re-evaluated to better assess the level of impacts. Potential best management practices to minimize impacts are discussed in **Section 3.0**.

2.10 Noise

Potential noise effects are described below generally for all three alternatives. At this early stage of project design, proposed construction techniques, types of equipment, and precise locations and durations of different activities within the project construction areas have not yet been defined sufficiently to quantitatively assess the potential noise effects of the individual Build Alternatives.

2.10.1 Types of Construction Noise Effects

Construction noise differs from transit noise in two ways:

- Construction noise lasts for the duration of the construction contract and is usually limited to daylight hours
 when most human activity occurs. Construction activities are generally of a short duration and, depending
 on the nature of construction operations, could last from seconds (such as for a truck passing by) to
 months (such as when constructing a bridge at an overpass). Transit noise occurs during most for all of
 the day and night, but fluctuates in intensity, and is a permanent part of the acoustical environment, such
 as highway noise.
- Construction noise is also intermittent and depends on the type of operation, location, and function of the
 equipment as well as the equipment usage cycle. Transit noise, on the other hand, is present in a more
 continuous fashion at scheduled times and occurs after construction activities are completed, but is
 completely stopped by midnight on weekdays and 3 am on weekends.

Noise from construction activities associated with the Build Alternatives, although temporary, could be a nuisance at nearby sensitive receptors such as residences and park users. Noise levels during construction are difficult to predict and vary depending on the types of construction activity and the types of equipment used for each stage of work. Heavy machinery, the major source of noise in construction, is constantly moving in unpredictable patterns and is not usually at one location very long. Under the proposed Build Alternatives, construction activities would include track-laying for at-grade sections, passenger stations, and pedestrian bridges. Build Alternative D would also include construction of aerial track structures that could require pile driving and would result in noise impacts related to it. The station and bridge pier structures may need to be constructed on pile foundations, the construction process for which would have sound and vibration impacts.

2.10.2 Potential Levels of Effects

To gauge the level of potential impact from temporary construction activities, preliminary construction scenarios were developed. In general, there would be some adverse impacts during construction in some locations, due to activities at the project site as well as at staging and/or material laydown areas if they take place in noise-sensitive areas. Similarly, there also would be the potential for noise increases along detour routes and truck haul routes. This analysis made conservative assumptions regarding construction noise in order to ensure that potential maximum adverse impacts are analyzed and disclosed consistent with NEPA requirements. However, in later stages of project design when a detailed construction plan is available, this analysis, including mitigation, will be refined.

The bulk of the construction normally would occur during daylight hours when some residents are not at home, when residents who are at home are less sensitive to construction activities, and when other community noise sources contribute to higher ambient noise levels. However, some construction activities would also occur during the nighttime and on weekends to complete the project sooner and reduce the overall duration of impact on the community. Since most construction activities are generally expected to last about 6 to 12 months at any one location, depending on the type of activity, the overall project construction period is expected to last approximately two years. As a result, significant noise impacts would be expected, particularly to those receptors adjacent to the alignment without adequate noise control measures. Therefore, potential impacts to the community will be minimized by requiring contractors to implement appropriate noise control measures that are expected to eliminate impacts and minimize extended disruption of normal activities. Potential mitigation measures are discussed in **Section 3.0**.

Under the Build Alternatives, the distances at which an exceedance of the FTA daytime noise limits (90 dBA at residential receptors) is predicted range from 32 feet during station construction to 40 feet during at-grade

track laying. The distances at which an exceedance of the FTA daytime noise limits of 100 dBA at commercial receptors would occur range from 10 feet during station construction to 13 feet during at-grade track-laying. As a result of these preliminary construction noise estimates, construction activities are expected to impact only the closest residences in adjacent neighborhoods, parks and any commercial properties in the vicinity of station construction and Metrorail track realignment.

2.11 Vibration

Potential vibration effects are described below and apply generally for all three alternatives. At this early stage of project design, proposed construction techniques, types of equipment, and precise locations and durations of different activities within the project construction areas have not yet been defined sufficiently to quantitatively assess the potential vibration effects of the individual Build Alternatives. Potential mitigation measures are discussed in **Section 3.0**.

2.11.1 Types of Construction Vibration Effects

Unlike noise, vibration levels from construction activities are not cumulative, rather dependent on the type of activity and equipment used. Vibration is also dependent on the ground and terrain conditions, the presence of underground utilities, and the type and condition of the building receiving the vibration. As a result, except for digging and pounding activities in hard soils, most construction activities do not contribute to vibration impacts, due to the typically long distance between the activity and the sensitive receptor. Under the Build Alternatives, construction activities may include the use of bulldozers, dump trucks, vibratory rollers and excavators. The use of impact pile drivers would be avoided whenever possible to eliminate the potential for vibration impacts (such as minor cosmetic structural damage) at nearby sensitive receptors.

2.11.2 Potential Levels of Effects

Vibration effects of construction activities are measured using two different metrics: (1) FTA vibration damage criterion — the threshold for where damage could occur to structures; and (2) FTA vibration criteria — the threshold for human annoyance (i.e. at what point would humans get annoyed by vibration). These two metrics are described below.

The distances at which an exceedance of the FTA vibration damage criterion of 0.2 inches per second (ips) would occur (for typical timber and masonry residences) range from 15 feet for trucks to 20 feet for bulldozers, to 35 feet for vibratory rollers. In accordance with FTA guidelines, the vibration limit is used during the environmental impact assessment phase to identify potential problem locations that should be addressed in more detail during final design. The FTA criterion is intended to be used more as an indicator of potential damage rather than a definitive evaluation of impact. During final design when details of the actual construction equipment would be refined, a more definitive evaluation of potential impact and damage is recommended to address these potential concerns.

Similarly, the distances at which an exceedance of the FTA vibration criteria for human annoyance (i.e., infrequent annoyance criterion of 80 VdB for residences and other FTA Category 2 land uses) would occur range from 40 feet for trucks, to 50 feet for bulldozers, to 70 feet for vibratory rollers. The FTA *infrequent* event category was used to assess impact from perceptible vibration events that could cause rattling of items (such as windows or dishes on shelves) or a rumble noise. Perceptible events could occur from excavation or from pile driving activities, while other activities, such as generators or compressors, are not expected to create any ground-borne vibration that would be perceptible. As a result of these preliminary construction vibration estimates, construction activities are expected to impact only the closest residences and commercial properties. Potential mitigation measures that would address these effects are discussed in **Section 3.0**.

2.12 Water Resources

2.12.1 Wetlands

Temporary construction impacts to wetlands are summarized in **Table 2-3**. The listed acreages of temporary construction impacts exclude wetland acreage that would also be permanently displaced by the Build Alternatives. Potential mitigation measures are discussed in **Section 3.0**.

Table 2-3: Temporary Impacts to USACE and NPS Regulated Wetlands

Alternative	USACE-only Wetlands (acres)	NPS-only Wetlands (acres)	USACE and NPS Wetlands (acres)	TOTAL
Build A	0.01	0.00	0.00	0.01
Build B	3.12	0.04	0.57	3.73
Build D	0.07	0.07	0.39	0.52

Build Alternative A

Build Alternative A would temporarily impact a small portion (approximately 0.01 acre) of delineated wetlands east and adjacent to Metrorail tracks that would be used for staging and laydown areas. Build Alternative A would not impact delineated Waters of the United States (WOUS) or wetlands on NPS property.

Build Alternative B

Build Alternative B would temporarily impact over 3.73 acres of the wetland areas delineated east of the Metrorail tracks, including approximately 0.57 acres of wetlands on NPS property, for staging and laydown areas. Build Alternative B would not impact delineated WOUS.

Build Alternative D

Build Alternative D would temporarily impact 0.52 acres of wetland and WOUS that would be used for staging and laydown areas, as well as for the erection of falsework for the construction of the replacement bridge.

2.12.2 Water Quality

Construction impacts from the project are primarily the result of erosion and sedimentation occurring at the construction site. Further, any work within a wetland or flowing water body decreases water quality by interrupting the natural water cleansing capacity of the resource. During construction, site stability would need to be maintained and runoff from the work area controlled to minimize water quality impacts. Potential mitigation measures are discussed in **Section 3.0**.

2.12.3 Floodplains

Temporary construction impacts within the 100-year and 500-year floodplains are listed in **Table 2-4**. Potential mitigation measures are discussed in **Section 3.0**.

Table 2-4: Temporary 100-Year and 500-Year Floodplain Impacts

Alternative	100-year (acres)	500-year (acres)
Build A	0.00	0.55
Build B	3.90	0.18
Build D	1.30	0.49

Note: Acreages shown above are based on the construction phasing as identified in this report.

Build Alternative A

Build Alternative A would not temporarily impact 100-year flood zones for construction activities. However, it would temporarily affect 0.55 acres of 500-year flood zones.

Build Alternative B

Build Alternative B would temporarily impact 3.90 acres of the 100-year flood zone and 0.18 acres of the 500-year flood zone (outside of the 100-year flood zone) for construction staging and laydown areas east of the existing Metrorail tracks in the vicinity of the delineated wetland areas. The affected flood zone spans GWMP from the Potomac River. Sec. 6-300 (Floodplain District) of the City of Alexandria Zoning Ordinance prohibits the placement of trailers in 100-year flood zones for periods beyond 180 days.

Build Alternative D

Build Alternative D would temporarily impact 1.3 acres of the 100-year flood zone and 0.49 acres of the 500-year flood zone (outside of the 100-year flood zone) associated with Four Mile Run for construction staging and laydown areas. Sec. 6-300 (Floodplain District) of the City of Alexandria Zoning Ordinance prohibits the placement of trailers in 100-year flood zones for periods beyond 180 days.

2.12.4 Coastal Zones and Chesapeake Bay Preservation Areas

Temporary construction impacts to Resource Protection Areas (RPAs) would result from construction staging and laydown areas. Estimates of temporary impacts to protected area buffers are provided in **Table 2-5**. These impact estimates include RPA identified on the City's adopted RPA map, wetlands delineated for the project and 100-foot buffers around the delineated wetlands consistent with Sec. 13-105(B) of the City zoning ordinance.

Table 2-5: Temporary Construction Impact to Resource Protection Area

	Resource Protection	
Alternative	Areas (acres)	
Build A	0.52	
Build B	5.74	
Build D	1.80	

Build Alternative A

Build Alternative A would not impact existing RPAs but would temporarily impact 0.52 acres of RPA around the proposed platform areas where wetlands have been delineated east of the Metrorail tracks.

Build Alternative B

Build Alternative B would not impact existing RPAs but would temporarily impact 5.91 acres of RPA around the proposed platform areas where wetlands have been delineated east of the Metrorail tracks.

Build Alternative D

Build Alternative D would temporarily impact 2.74 acres of RPAs buffering Four Mile Run with a new bridge crossing the waterway. Alternative D would also impact an existing stormwater management plan which would be replaced prior to the start of any construction activity (plans would be finalized during the design stage of the project).

2.12.5 Navigable Waterways

Build Alternative D would temporarily encroach into Four Mile Run for the purpose of constructing the replacement Metrorail bridge. If Build Alternative D is selected as the Preferred Alternative, a bridge permit would need to be obtained from the U.S. Coast Guard. The bridge permit application would describe the techniques and duration of bridge construction activities which could temporarily impact the navigability of Four Mile Run. The temporary encroachments could include the erection of false work for the construction of the bridge.

2.13 Ecosystems and Endangered Species

Temporary construction and staging impacts may occur to study area habitat resulting from temporary access roads and laydown areas. Construction activities may temporarily displace wildlife, either due to direct use of habitat areas for construction staging areas or due to indirect effects on adjacent habitat, such as noise and visual impacts. Upon completion of construction activities and restoration of temporarily impacted areas, wildlife would be expected to return. Management of invasive species would be addressed during mitigation activities (see **Section 3.0**).

The project will utilize Best Management Practices for engineering design and sediment and erosion control during the construction of the preferred alternative to minimize potential impacts to water quality and aquatic habitat.

Project review by the U.S. Fish and Wildlife Service is still ongoing and this memorandum will be updated to incorporate its findings.

2.14 Hazardous and Contaminated Materials

Recognized Environmental Conditions sites (RECs) are most likely to be encountered during construction activities associated with the Build Alternatives. Temporary impacts from RECs may result from the following types of construction activities:

- Leveling for the tracks and site activities;
- Clearing, grubbing, and leveling for the station facilities and pedestrian bridges;
- Construction of new embankments for track;
- Construction of piers or bents for aerial sections of tracks and platforms;
- Drilling shafts and driving piles for structural foundations; and
- Utility excavation.

Temporary best management practices undertaken during construction, such as construction worker health and safety practices, soil management of excavated contaminated soil, and construction dewatering management and permitting would minimize exposure to potential contaminants at RECs. The anticipated temporary construction measures would be outlined in a Site Management Work Plan or equivalent site plans. These potential mitigation measures are described in **Section 3.0**.

2.14.1 General Types of Effects

Contaminated Soil Excavation and Disposal

RECs in subsurface soil consisting of fly ash, total petroleum hydrocarbons (TPH) and petroleum-impacted soils, and ballast material, have been identified at Build Alternative A, Build Alternative B, and to a lesser extent at Build Alternative D. Residual oil may also be present in subsurface soil at the former oil/water separator ponds at Build Alternative B (refer to the following sections for more detail on the identified RECs for each alternative). If subsurface soil containing RECs is excavated, waste characterization sampling must be performed as discussed below.

Waste characterization sampling of excavated contaminated materials for disposal purposes would need to be performed including a toxicity characteristic leachate procedure (TCLP) to determine if the materials would be considered hazardous. All waste characterization sampling must be completed prior to any off-site shipment of material and meet the requirements of the intended licensed disposal facility. All excavated soil containing RECs must be managed on-site, sampled, manifested, and transported and disposed according to Virginia solid waste management regulations as detailed in site work plans or equivalent site plans.

Contaminated Groundwater Dewatering

Based on previous environmental assessments at Potomac Yard, the shallow groundwater encountered during construction is likely contaminated with residual levels of TPH, VOCs, semi-volatile organic compounds (SVOCs) and metals. The groundwater depth should be evaluated during the project design phase to identify the necessity of dewatering, groundwater control requirements if dewatering is required, and disposal requirements of contaminated groundwater. The groundwater would need to be retained and would require sampling, waste characterization, pretreatment and a temporary permit for on-site discharge or discharge to the local sanitary sewer system depending upon the volume or concentrations of contaminants.

2.14.2 Build Alternative A

RECs in subsurface soil, consisting of fly ash, TPH- and petroleum-impacted soils, and ballast material, have been identified in the vicinity of Build Alternative A. Potential construction impacts include the following:

- Residual Fly Ash Area: Potential exists to encounter fly ash at the proposed station platform, tracks, and to a lesser extent at the pedestrian footbridge touchdowns, primarily with the advancement of piles, footers, and utilities; however, significant amounts of fill or soil excavation is not anticipated to be required, as the Metrorail tracks would follow their existing alignment and the platforms would be built at-grade.
- Former Central Operations Area TPH and Free Product: Potential exists to encounter migrated/residual contamination from the former railyard's Central Operations Area at or near the northernmost pedestrian footbridge touchdown and to a lesser extent at the northern portion of the station platform. However, significant amounts of fill or soil excavation is not anticipated.
- Former Cinder Ballast: Advancement of piles, footers, and utilities into former ballast along the platform and at the pedestrian overpass touchdown is possible. However, much of the near ground surface ballast has been removed at the site with only sporadic pockets of ballast in previously undisturbed areas remaining. Cinder ballast ranging up to ten feet thick may sporadically remain near Build Alternative A.
- Groundwater: Dewatering activities would be dependent upon the depth and amount of subsurface
 work. Major excavation is not anticipated for the construction of Alternative A. Therefore, little to no
 dewatering of construction excavations is anticipated. Existing fill present on the western side of the
 rail right-of-way may also limit volumes of generated groundwater as groundwater is at deeper
 depth.

2.14.3 Build Alternative B

RECs in subsurface soil consisting of fly ash, former oil/water separator ponds, TPH- and petroleum-impacted soils, and ballast material, have been identified in the vicinity of Build Alternative B. Potential construction impacts include the following:

- **Residual Fly Ash Area:** The residual fly ash areas have the potential to be encountered during clearing, grubbing activities, and potential soil excavation.
- **Former Oil/Water Separator Ponds:** Former oil/water separator ponds have the potential to be encountered during clearing, grubbing activities, and potential soil excavation.
- Former Central Operations Area TPH and Free Product: Former TPH and free product have the potential to be encountered during clearing and grubbing activities and potential soil excavation.
- **Former Cinder Ballast:** Former cinder ballast has potential to be encountered during clearing and grubbing activities and potential soil excavation.
- **Groundwater:** Although little to no dewatering of construction excavations is anticipated, there would be potential for temporary dewatering of construction excavations of footers, utilities, etc. that could intercept the shallow perched groundwater at the site.

2.14.4 Build Alternative D

RECs in subsurface soil consisting of fly ash, TPH- and petroleum-impacted soils, and ballast material, have been identified in the vicinity of Build Alternative D. Potential construction impacts include the following:

- **Residual Fly Ash Area:** The residual fly ash areas could be encountered at depth for tracks, piles and pier work south of the proposed station.
- Former Central Operations Area TPH and Free Product: Potential residual/migrated contaminants from the former Central Operations Sub-Area has the potential to be encountered for tracks/pile and pier work immediately south of the proposed station.
- **Former Cinder Ballast:** Former cinder ballast can occur sporadically throughout project area. The main platform area appears to be located away from the main RECs.
- **Groundwater:** Little to no dewatering is anticipated for the proposed Build Alternative D. Temporary dewatering activities may be required, dependent upon the depth and amount of subsurface work. Dewatering activities could be associated with footers, utilities, etc.

2.15 Utilities

The utilities identified in the vicinity of the project include stormwater, sanitary sewer, water, gas, electric, communications (telephone, cable, fiber optic), street lighting, traffic signals, a petroleum pipeline, CSXT systems, and a Metrorail ductbank. The proposed locations of new track and station structures for the Build Alternatives would require portions of existing utilities to be re-routed around planned structures. To re-route affected utilities, new segments of utility line would be built and installed up to the new connection points. During a short service disruption the old utility line would be connected to the new utility line. All utility re-routing would be conducted under compliance with applicable laws, codes and service agreements. Each of the Build Alternatives impact utility services as follows:

- Alternative A: stormwater and water utilities;
- Alternative B: stormwater and water utilities; and
- Alternative D: stormwater, water, sanitary, petroleum pipeline, and Metrorail ductbank utilities. The
 petroleum pipeline and other utilities could be affected by the locations of piers for the aerial
 structures over the CSXT tracks.

2.16 Economic Effects

Economic effects related to construction activities for the Build Alternatives are described in the *Economic Impacts Technical Memorandum*.

3.0 AVOIDANCE, MINIMIZATION AND MITIGATION FOR SHORT-TERM IMPACTS

3.1 Transportation

3.1.1 Metrorail Operations

Metrorail operations would be affected when construction activity requires a shut down, single-tracking or equipment testing. The following best management practices could minimize these impacts:

- Construction efforts would be scheduled and coordinated to minimize their occurrences; and
- Scheduling single-tracking and shutdowns during nighttime periods or special weekend maintenance periods on the line.

3.1.2 CSXT Right-of-Way and Operations

CSXT requires all projects that affect their right-of-way to be constructed in a way that does not interfere with, interrupt, or endanger their operations. Construction must be planned and progressed to ensure the safety of rail operations and to minimize encumbrance to their right-of-way. To minimize possible impacts to CSXT right-of-way and operations, the following best management practices could be followed:

- Strategically scheduling construction activities to minimize the number of days requiring CSXT flagmen protection and pre-planned rail outages;
- Locating mechanical equipment so that a failure of equipment during construction activities would not foul CSXT tracks;
- Providing safe working areas for workers by using physical barriers; and
- Avoiding the need for temporary at-grade crossings of CSXT tracks.

3.1.3 Public Roadways and Private Driveways

Public roadways and private drives would be affected when construction activity requires lane closures, the use of flagmen, sidewalk closures, when construction equipment causes heavy wear and tear on existing road infrastructure. The following measures could minimize these impacts:

- Site access by construction vehicles could be strategically scheduled to minimize its occurrence; and
- Traffic plans could be coordinated with and approved by the proper authorities.

There may be potential temporary impacts to bus transit services during construction. Best management practices to minimize impacts would include coordination with service providers (Metrobus and DASH) so that riders can be alerted in advance of temporary stop re-locations and potential effects on service schedules.

Unavoidable impacts would be mitigated as follows:

 Any road infrastructure damaged by construction activity would be restored to its former condition when construction is complete.

3.2 Neighborhoods and Community Resources

Potential effects to neighborhoods and community resources relate to roadways, visual resources, parklands, and noise and vibration. Potential avoidance, minimization, and mitigation for these effects are described separately for the respective resources.

3.3 Visual Resources

Standard Best Management Practices would be used for construction, and efforts would be made to minimize vegetation loss during construction. For each of the Build Alternatives, vegetation and parkland areas temporarily used for construction activities would be restored.

3.4 Cultural Resources

For each of the Build Alternatives, if the proposed construction activities are found to result in an adverse effect to GWMP, FTA would notify the Advisory Council on Historic Preservation (ACHP) of the finding of adverse effect. ACHP, consulting parties and the public would have the opportunity to comment on and participate in the development of mitigation measures. These measures would be documented in a Memorandum of Agreement (MOA) between FTA, NPS, the City of Alexandria and the Virginia State Historic Preservation Office (SHPO).

3.5 Parklands

Temporary impacts to parklands would be minimized by the following measures:

- Standard Best Management Practices would be used for construction, and efforts would be made to minimize vegetation loss and areas of park closure during construction; and
- Multi-use trails would be re-routed to provide continuous temporary routes during construction.

For each of the Build Alternatives, vegetation and facilities in parkland areas temporarily used for construction activities would be restored. Temporary construction impacts to the Greens Scenic Area easement that violate the terms of the easement, such as clearing of vegetation, would require release of the scenic easement by NPS and would be subject to an equal value exchange in property or interest in property per 16 U.S.C. 460I-22.

3.6 Air Quality

For each of the Build Alternatives, to minimize construction-related effects on air quality, project construction activities would comply with Virginia Department of Environmental Quality (VDEQ) requirements for fugitive dust and emissions, as well as any local regulations.

3.7 Noise and Vibration

For each of the Build Alternatives, all construction activities would comply with WMATA's design criteria to ensure that noise impacts are minimized during construction. Although WMATA, as a federally chartered agency, is exempt from local noise ordinances, project construction activities would comply with local construction noise and vibration limits whenever feasible and reasonable in accordance with WMATA construction specifications. For example, to reduce temporary construction noise and vibration impacts that are expected under the Build Alternatives, several "good housekeeping" practices are recommended. The

following control measures could be incorporated into the construction process to effectively minimize noise and vibration impacts in the community:

- Whenever possible, conducting all construction activities during the daytime and during weekdays in accordance with local noise ordinances (such as the City of Alexandria's Noise Control Code, Section 11-5 and Arlington County's Noise Control Code, Chapter 15));
- Where practical, erecting temporary noise barriers between noisy activities and noise-sensitive receptors;
- Locating construction equipment and material staging areas away from sensitive receptors;
- Routing construction traffic and haul routes along roads in non-noise-sensitive areas where possible;
- Using construction equipment with effective noise-suppression devices;
- Using noise control measures, such as enclosures and noise barriers, as necessary to protect the public and achieve compliance with WMATA's design criteria;
- Adequately notifying the public of construction operations and schedules. Methods such as constructionalert publications or a Noise Complaint Hotline could be used to handle complaints quickly;
- Utilizing construction methods that minimize vibration and complying with any local regulations governing vibration; and
- Conducting all operations in a manner that will minimize, to the greatest extent feasible, disturbance to the public in areas adjacent to the construction activities and to occupants of nearby buildings.

All mitigation measures would be confirmed during the final design phase of the project when the details of the project components and the construction scenarios would be finalized.

Although NPS has several policies regarding noise impacts on federal parks included in the 2006 Management Policies, including sections entitled "NPS Soundscape Management Policy 4.9" and the "NPS Cultural Soundscape Management Policy 5.3.1.7", none of these policies addresses impacts on roadways such as GWMP. Since the parkway is a self-generator of noise due to the traffic, the parkway is not a sensitive land use as defined by the FTA guidelines and would not be adversely affected by noise from the construction or operation of the project under the FTA guidelines. However, NPS and the project team would identify measures to minimize any additional adverse noise impacts to passive uses (such as walking and bird-watching) along the parkway during construction.

3.8 Water Resources

3.8.1 Wetlands

For each of the Build Alternatives, mitigation of temporary impacts to wetlands would include restoration of wetlands to their prior state after construction is completed. A Joint Permit Application (JPA) would be developed for temporary, as well as permanent, project-related wetland impacts in compliance with Section 404 of the CWA. The permitting process would be initiated with USACE and VDEQ. If wetlands are deemed tidal wetlands, the permitting process would also be initiated with VMRC. If there are any impacts to NPS wetlands, the NPS Water Resources Division would determine if a Wetlands Statement of Findings is necessary pursuant to NPS Director's Order 77-1. The JPA and NPS processes would be initiated at the design phase of the project.

Specific wetland mitigation strategies would be determined through the JPA and NPS processes for unavoidable impacts to WOUS and wetlands resulting from the preferred alternative. USACE, VDEQ, VMRC, and NPS would determine mitigation measures, as part of the JPA process and NPS Director's Order 77-1, where appropriate.

3.8.2 Water Quality

During construction, site stability would need to be maintained and runoff from the work area controlled to minimize impacts to water quality. In addition, greater care must be taken with construction of Alternative D to ameliorate the effects of working in Four Mile Run, a live water body.

- A Stormwater Pollution Prevention Plan (SPPP) would be developed for the construction phase of the project, detailing the plan to manage other wastes on site, such as building materials, garbage and debris, and to implement controls to minimize the exposure of these materials to stormwater. The VDCR currently reviews and approves the SPPP and issue a General Permit for Discharges from Construction Activities for the project. It should be noted that by the time the project goes to construction, the City of Alexandria will be the agency responsible for reviewing the SPPP. The project would be designed to ensure that stormwater impacts during construction are avoided or minimized to the maximum extent practicable. Construction methods would be selected to minimize the potential for non-point source pollution.
- Erosion and sediment control plans for land disturbance activities would also be developed for the project in accordance with Sec. 5-4 of the City of Alexandria Code and Chapter 57 of the Arlington County Code. The intent of these measures is to avoid the migration of pollutants from the various construction areas to nearby surface water resources.

3.8.3 Floodplains

Construction effects to floodplains would be minimized through construction practices that comply with governing federal, state, and local regulations. Approvals would be obtained in accordance with:

- Sec. 6-300 of the City of Alexandria Zoning Ordinance;
- Chapter 48 of the Arlington County Code;
- NPS DO #77-2: Floodplain Management, which requires the development of a Floodplain Assessment and Floodplain Statement of Findings; and
- NPS DO # 77-2 would classify this project as a "Class I action" that would be subject to review where impact occurs within 100-year flood zones on NPS property.

3.8.4 Coastal Zones and Chesapeake Bay Preservation Areas

Construction in RPAs would employ best management practices (BMPs) and comply with governing federal, state, and local regulations.

- Any proposed development within an RPA and proposed development within a Resource Management Area (RMA) that exceeds 2,500 square feet of land disturbance (0.057 acres) are subject to the development review and approval process of the City of Alexandria and Arlington County. These approvals must be obtained prior to any site clearing or issuance of any development permit in accordance with Sec. 13-107 and Sec. 13-111 of the City of Alexandria Zoning Ordinance and Chapter 61 of the Arlington County Code.
- The development review process would require a site plan, environmental site assessment, landscape
 plan, stormwater management plan, water quality impact assessment, and erosion and sediment control
 plan. As a transportation facility, the project may be exempt from the development review process for
 RPAs based on Section 13-119 (A-1) of the City of Alexandria Zoning Ordinance and Section 61-15 (A) of
 the Arlington County Code.

3.8.5 Navigable Waterways

Construction in areas that could temporarily impact the navigability of waterways would employ BMPs and comply with governing U.S. Coast Guard and any other federal, state, and local regulations.

3.9 Ecosystems and Endangered Species

For each of the Build Alternatives, temporary impacts to wetland habitat could be mitigated as described above. Temporary impacts to upland habitat areas would be mitigated through restoration of vegetation, as described above for parklands.

3.10 Hazardous and Contaminated Materials

3.10.1 Proposed Designs and Construction Techniques

At the three Build Alternative locations, no large-scale below-grade structures are proposed, and significant volumes of soil from excavation are not anticipated. The majority of the subsurface features are anticipated to be contained to underground utilities, vaults, and other shallow excavations needed to facilitate the installation of piles and/or piers. Soil disturbance could be further lessened at the potential RECs by use of driven piles, shafts, or sheeting that can be used rather than drilled shafts to accommodate any excavations. In areas of the site where pile foundations may need to be installed by alternative methods due to geotechnical and/or vibration concerns, impacts from the generation of potentially contaminated soil and groundwater would be minimized in accordance with the Site Management Work Plan (see **Section 3.10.3** below). Appropriate management of contaminated soils and groundwater on the site and disposal off-site would be conducted in accordance with applicable Virginia solid waste management regulations.

3.10.2 Additional Potential Measures

There are a variety of technologies and remedial options to mitigating risks posed by potential residual contamination at RECs if encountered during construction of the project. The concepts for risk mitigation utilized at adjacent Landbay development at Potomac Yard have included the following strategies and techniques, which are typically summarized in a Site Management Work Plan or equivalent document prior to construction:

- A soil management plan;
- A construction worker health and safety plan;
- Clean capping of impacted soil;
- Construction dewatering plans;
- Over excavation of utilities in impacted soils; and
- Vapor mitigation evaluation.

3.10.3 Site Management Work Plan

Site Management Work Plans or equivalent plans may be developed prior to construction to plan for risk mitigation methods that may be required at RECs. The Site Management Work Plans have included the evaluation and applicability of the following risk mitigation options at adjacent Landbays:

- Construction worker health and safety The RA approved by the USEPA in 1995 concluded that
 development activities would not pose elevated risks to human health. However, potential exposure to
 chemical constituents (i.e., arsenic and lead) in soil materials may occur through direct contact with soils at
 RECs or inhalation of dust particles (Weinberg Consulting Group, 1995). Therefore, construction worker
 protective measures may be required to ensure compliance with Occupational Safety and Health
 Administration (OSHA) regulations during construction activities.
- Contaminated soil excavation and disposal As defined in the Site Management Work Plan or equivalent, the site engineer will monitor excavation of site soils during excavations in RECs and segregate and properly manifest soils indicative of ballast, fly ash, and petroleum contamination.
- Dust control measures Dust inhalation exposure will not be likely to occur after final development and
 the cessation of earthmoving activities. Construction workers' exposure to dust may occur during
 excavation and earthmoving activities. The 1995 RA does not predict adverse non-carcinogenic effects.
 However, engineering controls and work practices may be implemented to minimize potential exposure of
 construction workers to particulate emissions. Adjacent residences and businesses would also be
 protected from exposure to dust during construction through the use of best management practices on-site
 for dust suppression.
- Construction dewatering Prior to discharging water from the site, contaminant reduction may be
 instituted, if necessary, based on site conditions and permit requirements. All appropriate discharge
 permits should be obtained prior to dewatering or discharge from the site.

- Clean capping of contaminants left in place To mitigate risk to users of the developed property, a final
 grade may include a two-foot clean soil cap or an impervious hardscape cover to encapsulate
 contaminated material left in place, if necessary, after excavation is complete.
- Vapor barrier or mitigation measures evaluation Previous environmental analysis has indicated that VOC contaminants in soil and groundwater resulting in potential indoor air issues are not elevated or widespread. However, during previous Landbay development plans at Potomac Yard, the City of Alexandria has requested that each building structure require vapor barrier and sub-grade ventilation unless the need for these measures is evaluated and determined to be unnecessary by a professional engineer (ECC, 2011).
- Over excavation of subsurface utilities in impacted soils To mitigate potential future exposure to utility
 construction workers, planned utility corridors in contaminated soil at Landbays in Potomac Yard have
 been planned to be over-excavated two feet beyond the extent of a typical excavation for the type and size
 of utility to be installed (ECC, 2011).
- Land use restrictions To mitigate risk of groundwater ingestion, contact, or use of contaminated groundwater, previous Landbay development at Potomac Yard has included plans for a deed restriction precluding use of groundwater from the site for potable purposes.

3.10.4 Voluntary Remediation Program

The VDEQ Voluntary Remediation Program (VRP) is an alternative and voluntary program to document potential mitigation measures. The VRP is a streamlined mechanism for site owners or developers to voluntarily address contamination at sites with concurrence from the VDEQ. When the mitigation measures are satisfactorily completed, VDEQ issues a "certification of satisfactory completion of remediation." This certification provides assurance that the remediated site would not later become the subject of a VDEQ enforcement action unless new issues are discovered.

3.10.5 Best Management Practices

BMPs would be used on the construction site, such as pollution control devices, development of spill prevention programs, installation and maintenance of runoff diversion and secondary containment structures. Sediment and erosion control plans would be prepared and submitted with site plans to the City of Alexandria and Arlington County.

3.11 Utilities

Existing utilities would be affected if located in the same place as the structural footprint of any of the Build Alternatives. Impacts could be avoided and minimized by:

- Refining the station design or the location of structural members; and
- Service disruptions could be minimized by installing new utility lines first and scheduling a single service disruption to connect all new lines to existing lines. Scheduling each utility's work at non-peak hours would also help to lessen the impacts of any utility disruptions.

4.0 SITE AND SAFETY SECURITY

For each of the Build Alternatives, construction-related safety and security measures would be provided by the contractor for both construction workers and the general public. During construction, measures that may be used to address safety and security issues would include:

- Temporary construction fencing and security staff to protect the public and the worksite from unauthorized entry of vehicles, people, and animals;
- Temporary signage to direct motorists and pedestrians around construction areas; and
- On-going communication with neighboring property owners and the surrounding community regarding construction activities.

WMATA's best management practices for safety and security effects include:

- Update of WMATA's Safety and Security Program for the project with elements required by CSXT and other agencies, as needed; and
- Coordination with these agencies during the project's design.

For emergency response, mutual aid agreements for emergency response would be developed among the City of Alexandria, Arlington County, and WMATA. These agreements would identify the roles and responsibilities of each jurisdiction in responding to emergencies, general policing and security, and emergency access.

APPENDIX:

REFERENCES

Regulatory Guidance

36 CFR Part 800 Protection of Historic Properties.

2006 Management Policies. National Park Service. "NPS Soundscape Management Policy 4.9" and "NPS Cultural Soundscape Management Policy 5.3.1.7."

Floodplain Districts. City of Alexandria Zoning Ordinance. sec. 6-300.

Floodplain Management. Arlington County Code. Chapter 48.

National Historic Preservation Act [16 U.S.C. Section 470 et seq.].

Noise Control. Chapter 15. Arlington County Code. Arlington County. September 2011.

- Noise Control Code (Chapter 5), Part II- The Code of General Ordinances, Title 11- Health, Environmental and Sanitary Regulations. Office of Environmental Quality (OEQ). City of Alexandria.
- Transit Noise and Vibration Impact Assessment. Federal Transit Administration. FTA-VA-90-1003-06. Washington, D.C. May 2006.
- U.S. Environmental Protection Agency, National Ambient Air Quality Standards (NAAQS). Accessed at: http://www.epa.gov/air/criteria.html.
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